


STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT <input type="checkbox"/>				
APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER GMBU L-1-9-17				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT EIGHT MILE FLAT				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME GMBU (GRRV)				
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY						7. OPERATOR PHONE 435 646-4825				
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052						9. OPERATOR E-MAIL mcrozier@newfield.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU-79014			11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL	FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN			
LOCATION AT SURFACE	1859 FSL 898 FEL		NESE	1	9.0 S	17.0 E	S			
Top of Uppermost Producing Zone	2366 FSL 1230 FEL		NESE	1	9.0 S	17.0 E	S			
At Total Depth	2498 FNL 1484 FEL		SWNE	1	9.0 S	17.0 E	S			
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 1484		23. NUMBER OF ACRES IN DRILLING UNIT 20					
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1190		26. PROPOSED DEPTH MD: 6056 TVD: 5938					
27. ELEVATION - GROUND LEVEL 5023			28. BOND NUMBER WYB000493		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 437478					
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	12.25	8.625	0 - 300	24.0	J-55 ST&C	8.3	Class G	138	1.17	15.8
Prod	7.875	5.5	0 - 6056	15.5	J-55 LT&C	8.3	Premium Lite High Strength	280	3.26	11.0
							50/50 Poz	363	1.24	14.3
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Heather Calder				TITLE Production Technician			PHONE 435 646-4936			
SIGNATURE				DATE 07/24/2013			EMAIL hcalder@newfield.com			
API NUMBER ASSIGNED 43047539080000				APPROVAL  Permit Manager						

NEWFIELD PRODUCTION COMPANY
GMBU L-1-9-17
AT SURFACE: NE/SE SECTION 1, T9S R17E
UINTAH COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 3,760'
Green River	3,760'
Wasatch	6,125'
Proposed TD	6,056'(MD) 5,938' (TVD)

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation (Oil) 3,760' – 6,125'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO ₃) (mg/l)
Dissolved Bicarbonate (NaHCO ₃) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO ₄) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. **PROPOSED CASING PROGRAM**

a. **Casing Design: GMBU L-1-9-17**

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	300'	24.0	J-55	STC	2,950 17.53	1,370 14.35	244,000 33.89
Prod casing 5-1/2"	0'	6,056'	15.5	J-55	LTC	4,810 2.50	4,040 2.10	217,000 2.31

Assumptions:

- 1) Surface casing max anticipated surface press (MASP) = Frac gradient – gas gradient
- 2) Prod casing MASP (production mode) = Pore pressure – gas gradient
- 3) All collapse calculations assume fully evacuated casing w/ gas gradient
- 4) All tension calculations assume air weight

Frac gradient at surface casing shoe = 13.0 ppg
 Pore pressure at surface casing shoe = 8.33 ppg
 Pore pressure at prod casing shoe = 8.33 ppg
 Gas gradient = 0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. **Cementing Design: GMBU L-1-9-17**

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft ³ /sk)
			ft ³			
Surface casing	300'	Class G w/ 2% CaCl	138 161	30%	15.8	1.17
Prod casing Lead	4,056'	Prem Lite II w/ 10% gel + 3% KCl	280 914	30%	11.0	3.26
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363 451	30%	14.3	1.24

*Actual volume pumped will be 15% over the caliper log

- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

From surface to ± 300 feet will be drilled with an air/mist system. The air rig is equipped with a 6 1/2" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about ± 300 feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

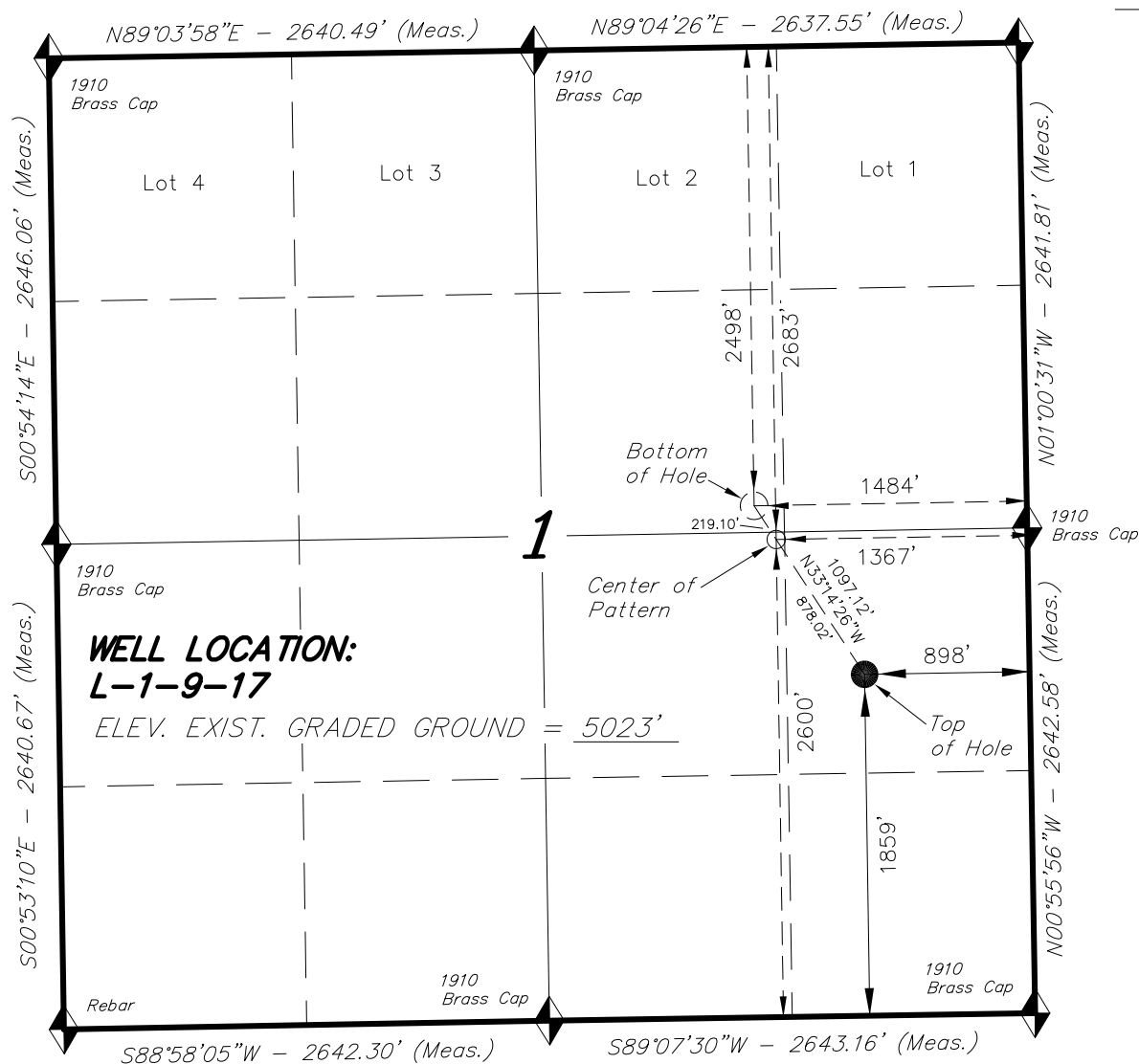
9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated

bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

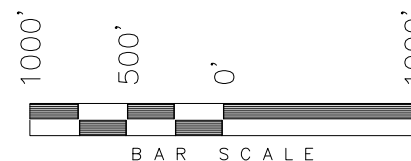
10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the fourth quarter of 2013, and take approximately seven (7) days from spud to rig release.

T9S, R17E, S.L.B.&M.Corner Missing:
(Position Double
Proportioned)**NEWFIELD EXPLORATION COMPANY**

WELL LOCATION, L-1-9-17, LOCATED AS SHOWN IN THE NE 1/4 SE 1/4 OF SECTION 1, T9S, R17E, S.L.B.&M. UTAH COUNTY, UTAH.

TARGET BOTTOM HOLE, L-1-9-17, LOCATED AS SHOWN IN THE SW 1/4 NE 1/4 OF SECTION 1, T9S, R17E, S.L.B.&M. UTAH COUNTY, UTAH.

**NOTES:**

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
No. 189377
06-26-13
STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

NAD 83 (SURFACE LOCATION)	
LATITUDE = 40°03'27.99"	
LONGITUDE = 109°56'55.41"	
NAD 27 (SURFACE LOCATION)	
LATITUDE = 40°03'28.12"	
LONGITUDE = 109°56'52.88"	
NAD 83 (CENTER OF PATTERN)	NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = 40°03'35.32"	LATITUDE = 40°03'37.16"
LONGITUDE = 109°57'01.44"	LONGITUDE = 109°57'02.94"
NAD 27 (CENTER OF PATTERN)	NAD 27 (BOTTOM HOLE LOCATION)
LATITUDE = 40°03'35.46"	LATITUDE = 40°03'37.29"
LONGITUDE = 109°56'58.91"	LONGITUDE = 109°57'00.41"

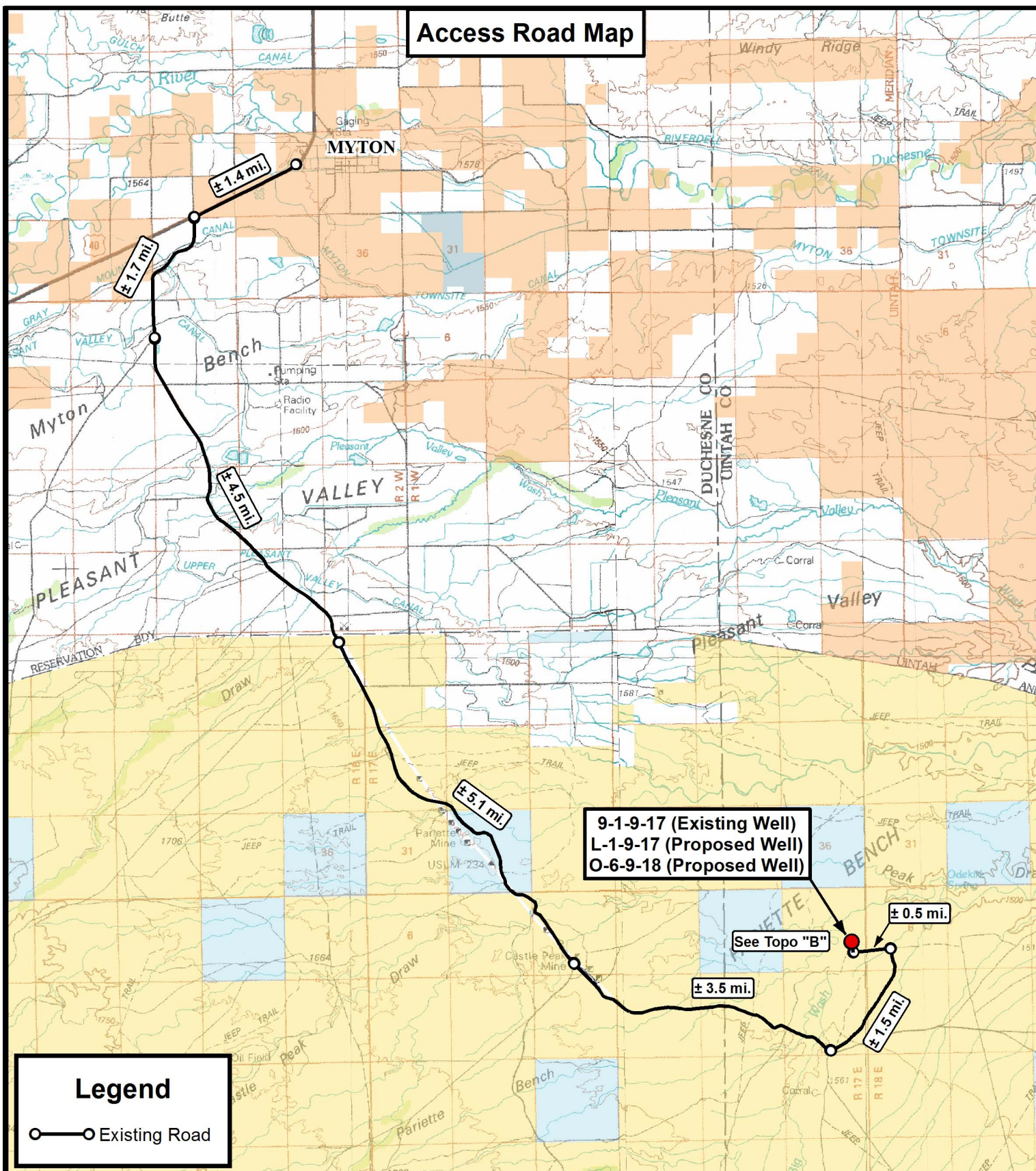
TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 01-24-13	SURVEYED BY: S.H.	VERSION:
DATE DRAWN: 06-16-13	DRAWN BY: L.C.S.	V2
REVISED:	SCALE: 1" = 1000'	

RECEIVED: July 24, 2013

Access Road Map



Tri State
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
 F: (435) 781-2518



NEWFIELD EXPLORATION COMPANY

9-1-9-17 (Existing Well)
 L-1-9-17 (Proposed Well)
 O-6-9-18 (Proposed Well)
 Sec. 1, T9S, R17E, S.L.B.&M. Uintah County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	06-17-2013		V2
SCALE:	1:100,000		

TOPOGRAPHIC MAP

SHEET

A

Access Road Map

9-1-9-17 (Existing Well)
 L-1-9-17 (Proposed Well)
 O-6-9-18 (Proposed Well)


± 0.1 mi.

± 0.5 mi.

± 1.5 mi.

Myton ± 16.2 mi.

Legend

 Existing Road

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

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NEWFIELD EXPLORATION COMPANY

9-1-9-17 (Existing Well)
 L-1-9-17 (Proposed Well)
 O-6-9-18 (Proposed Well)
 Sec. 1, T9S, R17E, S.L.B.&M. Uintah County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	06-17-2013		V2
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET

B

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L-1-9-17 (Proposed Well)

O-6-9-18 (Proposed Well)

Sec. 1, T9S, R17E, S.L.B.&M. Uintah County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
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DATE: 06-17-2013

SCALE: 1" = 2,000'

VERSION:

V2

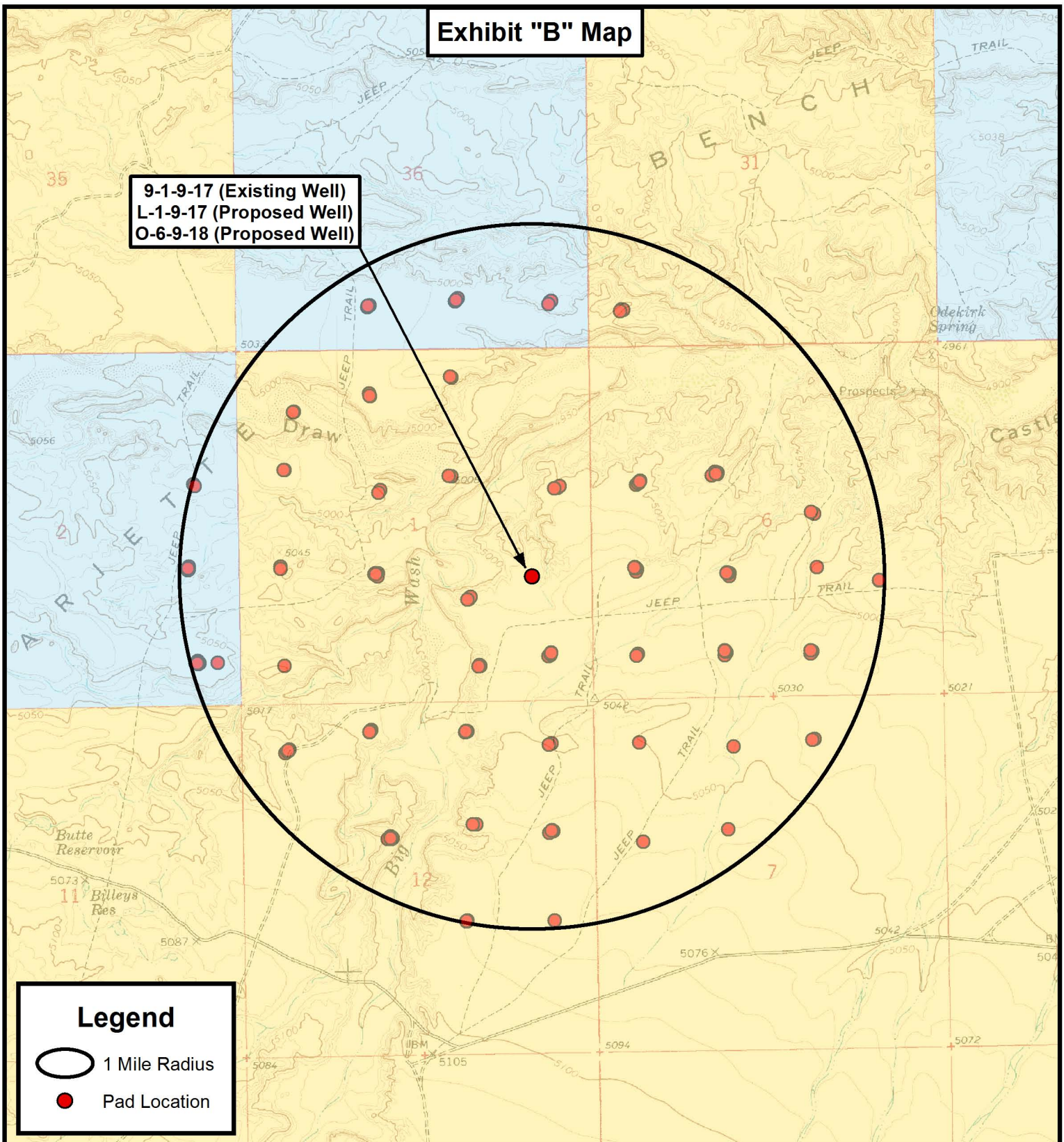
TOPOGRAPHIC MAP

SHEET

C

Exhibit "B" Map

9-1-9-17 (Existing Well)
 L-1-9-17 (Proposed Well)
 O-6-9-18 (Proposed Well)



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**NEWFIELD EXPLORATION COMPANY**

9-1-9-17 (Existing Well)
 L-1-9-17 (Proposed Well)
 O-6-9-18 (Proposed Well)

Sec. 1, T9S, R17E, S.L.B.&M. Uintah County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	06-17-2013		V2
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET

D

Coordinate Report

Well Number	Feature Type	Latitude (NAD 83) (DMS)	Longitude (NAD 83) (DMS)
9-1-9-17	Surface Hole	40° 03' 27.86" N	109° 56' 55.63" W
L-1-9-17	Surface Hole	40° 03' 27.99" N	109° 56' 55.41" W
O-6-9-18	Surface Hole	40° 03' 28.12" N	109° 56' 55.20" W
L-1-9-17	Center of Pattern	40° 03' 35.32" N	109° 57' 01.44" W
O-6-9-18	Center of Pattern	40° 03' 33.97" N	109° 56' 44.84" W
L-1-9-17	Bottom of Hole	40° 03' 37.16" N	109° 57' 02.94" W
O-6-9-18	Bottom of Hole	40° 03' 35.46" N	109° 56' 42.20" W
Well Number	Feature Type	Latitude (NAD 83) (DD)	Longitude (NAD 83) (DD)
9-1-9-17	Surface Hole	40.057738	109.948785
L-1-9-17	Surface Hole	40.057775	109.948726
O-6-9-18	Surface Hole	40.057811	109.948667
L-1-9-17	Center of Pattern	40.059812	109.950399
O-6-9-18	Center of Pattern	40.059435	109.945789
L-1-9-17	Bottom of Hole	40.060321	109.950816
O-6-9-18	Bottom of Hole	40.059849	109.945055
Well Number	Feature Type	Northing (NAD 83) (UTM Meters)	Longitude (NAD 83) (UTM Meters)
9-1-9-17	Surface Hole	4434694.963	589656.657
L-1-9-17	Surface Hole	4434699.057	589661.657
O-6-9-18	Surface Hole	4434703.152	589666.656
L-1-9-17	Center of Pattern	4434923.573	589516.281
O-6-9-18	Center of Pattern	4434886.326	589909.981
L-1-9-17	Bottom of Hole	4434979.597	589480.004
O-6-9-18	Bottom of Hole	4434933.046	589972.043
Well Number	Feature Type	Latitude (NAD 27) (DMS)	Longitude (NAD 27) (DMS)
9-1-9-17	Surface Hole	40° 03' 27.99" N	109° 56' 53.09" W
L-1-9-17	Surface Hole	40° 03' 28.12" N	109° 56' 52.88" W
O-6-9-18	Surface Hole	40° 03' 28.25" N	109° 56' 52.67" W
L-1-9-17	Center of Pattern	40° 03' 35.46" N	109° 56' 58.91" W
O-6-9-18	Center of Pattern	40° 03' 34.10" N	109° 56' 42.31" W
L-1-9-17	Bottom of Hole	40° 03' 37.29" N	109° 57' 00.41" W
O-6-9-18	Bottom of Hole	40° 03' 35.59" N	109° 56' 39.67" W



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O-6-9-18 (Proposed Well)

Sec. 1, T9S, R17E, S.L.B.&M. Uintah County, UT.

DRAWN BY: A.P.C.

REVISED:

DATE: 06-17-2013

VERSION: V2

COORDINATE REPORT

SHEET

1

RECEIVED: July 24, 2013

Coordinate Report

[illegible]

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NEWFIELD EXPLORATION COMPANY

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COORDINATE REPORT

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2

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NEWFIELD EXPLORATION

USGS Myton SW (UT)

SECTION 1 T9S, 17E

L-1-9-17

Wellbore #1

Plan: Design #1

Standard Planning Report

12 June, 2013





Payzone Directional Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well L-1-9-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	L-1-9-17 @ 5033.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	L-1-9-17 @ 5033.0ft (Original Well Elev)
Site:	SECTION 1 T9S, 17E	North Reference:	True
Well:	L-1-9-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site		SECTION 1 T9S, 17E			
Site Position:		Northing:	7,193,565.95 ft	Latitude:	40° 3' 28.710 N
From:	Lat/Long	Easting:	2,072,254.87 ft	Longitude:	109° 57' 25.530 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.99 °

Well	L-1-9-17, SHL LAT: 40 03 27.99 LONG: -109 56 55.41					
Well Position	+N/-S	-73.0 ft	Northing:	7,193,533.60 ft	Latitude:	40° 3' 27.990 N
	+E/-W	2,341.8 ft	Easting:	2,074,597.61 ft	Longitude:	109° 56' 55.410 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	5,033.0 ft	Ground Level:	5,023.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	6/12/2013	11.01	65.78	52,100

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	326.76

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,438.6	12.58	326.76	1,431.8	76.7	-50.3	1.50	1.50	0.00	326.76	
5,049.4	12.58	326.76	4,956.0	734.4	-481.3	0.00	0.00	0.00	0.00	L-1-9-17 TGT
6,055.5	12.58	326.76	5,938.0	917.6	-601.4	0.00	0.00	0.00	0.00	



Payzone Directional

Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well L-1-9-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	L-1-9-17 @ 5033.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	L-1-9-17 @ 5033.0ft (Original Well Elev)
Site:	SECTION 1 T9S, 17E	North Reference:	True
Well:	L-1-9-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	326.76	700.0	1.1	-0.7	1.3	1.50	1.50	0.00
800.0	3.00	326.76	799.9	4.4	-2.9	5.2	1.50	1.50	0.00
900.0	4.50	326.76	899.7	9.8	-6.5	11.8	1.50	1.50	0.00
1,000.0	6.00	326.76	999.3	17.5	-11.5	20.9	1.50	1.50	0.00
1,100.0	7.50	326.76	1,098.6	27.3	-17.9	32.7	1.50	1.50	0.00
1,200.0	9.00	326.76	1,197.5	39.3	-25.8	47.0	1.50	1.50	0.00
1,300.0	10.50	326.76	1,296.1	53.5	-35.1	64.0	1.50	1.50	0.00
1,400.0	12.00	326.76	1,394.2	69.8	-45.8	83.5	1.50	1.50	0.00
1,438.6	12.58	326.76	1,431.8	76.7	-50.3	91.7	1.50	1.50	0.00
1,500.0	12.58	326.76	1,491.8	87.9	-57.6	105.1	0.00	0.00	0.00
1,600.0	12.58	326.76	1,589.4	106.1	-69.5	126.8	0.00	0.00	0.00
1,700.0	12.58	326.76	1,687.0	124.3	-81.5	148.6	0.00	0.00	0.00
1,800.0	12.58	326.76	1,784.6	142.5	-93.4	170.4	0.00	0.00	0.00
1,900.0	12.58	326.76	1,882.2	160.7	-105.3	192.2	0.00	0.00	0.00
2,000.0	12.58	326.76	1,979.8	178.9	-117.3	213.9	0.00	0.00	0.00
2,100.0	12.58	326.76	2,077.4	197.2	-129.2	235.7	0.00	0.00	0.00
2,200.0	12.58	326.76	2,175.0	215.4	-141.1	257.5	0.00	0.00	0.00
2,300.0	12.58	326.76	2,272.6	233.6	-153.1	279.3	0.00	0.00	0.00
2,400.0	12.58	326.76	2,370.2	251.8	-165.0	301.1	0.00	0.00	0.00
2,500.0	12.58	326.76	2,467.8	270.0	-177.0	322.8	0.00	0.00	0.00
2,600.0	12.58	326.76	2,565.4	288.2	-188.9	344.6	0.00	0.00	0.00
2,700.0	12.58	326.76	2,663.0	306.4	-200.8	366.4	0.00	0.00	0.00
2,800.0	12.58	326.76	2,760.6	324.7	-212.8	388.2	0.00	0.00	0.00
2,900.0	12.58	326.76	2,858.2	342.9	-224.7	409.9	0.00	0.00	0.00
3,000.0	12.58	326.76	2,955.8	361.1	-236.6	431.7	0.00	0.00	0.00
3,100.0	12.58	326.76	3,053.4	379.3	-248.6	453.5	0.00	0.00	0.00
3,200.0	12.58	326.76	3,151.0	397.5	-260.5	475.3	0.00	0.00	0.00
3,300.0	12.58	326.76	3,248.6	415.7	-272.5	497.1	0.00	0.00	0.00
3,400.0	12.58	326.76	3,346.2	433.9	-284.4	518.8	0.00	0.00	0.00
3,500.0	12.58	326.76	3,443.8	452.2	-296.3	540.6	0.00	0.00	0.00
3,600.0	12.58	326.76	3,541.4	470.4	-308.3	562.4	0.00	0.00	0.00
3,700.0	12.58	326.76	3,639.0	488.6	-320.2	584.2	0.00	0.00	0.00
3,800.0	12.58	326.76	3,736.6	506.8	-332.1	605.9	0.00	0.00	0.00
3,900.0	12.58	326.76	3,834.2	525.0	-344.1	627.7	0.00	0.00	0.00
4,000.0	12.58	326.76	3,931.8	543.2	-356.0	649.5	0.00	0.00	0.00
4,100.0	12.58	326.76	4,029.4	561.4	-368.0	671.3	0.00	0.00	0.00
4,200.0	12.58	326.76	4,127.0	579.7	-379.9	693.0	0.00	0.00	0.00
4,300.0	12.58	326.76	4,224.6	597.9	-391.8	714.8	0.00	0.00	0.00
4,400.0	12.58	326.76	4,322.2	616.1	-403.8	736.6	0.00	0.00	0.00
4,500.0	12.58	326.76	4,419.8	634.3	-415.7	758.4	0.00	0.00	0.00
4,600.0	12.58	326.76	4,517.4	652.5	-427.6	780.2	0.00	0.00	0.00
4,700.0	12.58	326.76	4,615.0	670.7	-439.6	801.9	0.00	0.00	0.00
4,800.0	12.58	326.76	4,712.6	688.9	-451.5	823.7	0.00	0.00	0.00
4,900.0	12.58	326.76	4,810.2	707.2	-463.5	845.5	0.00	0.00	0.00
5,000.0	12.58	326.76	4,907.8	725.4	-475.4	867.3	0.00	0.00	0.00
5,049.4	12.58	326.76	4,956.0	734.4	-481.3	878.0	0.00	0.00	0.00
5,100.0	12.58	326.76	5,005.4	743.6	-487.3	889.0	0.00	0.00	0.00



Payzone Directional

Planning Report



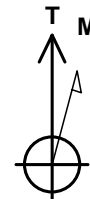
Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well L-1-9-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	L-1-9-17 @ 5033.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	L-1-9-17 @ 5033.0ft (Original Well Elev)
Site:	SECTION 1 T9S, 17E	North Reference:	True
Well:	L-1-9-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,200.0	12.58	326.76	5,103.0	761.8	-499.3	910.8	0.00	0.00	0.00
5,300.0	12.58	326.76	5,200.6	780.0	-511.2	932.6	0.00	0.00	0.00
5,400.0	12.58	326.76	5,298.2	798.2	-523.1	954.4	0.00	0.00	0.00
5,500.0	12.58	326.76	5,395.8	816.4	-535.1	976.2	0.00	0.00	0.00
5,600.0	12.58	326.76	5,493.4	834.7	-547.0	997.9	0.00	0.00	0.00
5,700.0	12.58	326.76	5,591.0	852.9	-558.9	1,019.7	0.00	0.00	0.00
5,800.0	12.58	326.76	5,688.6	871.1	-570.9	1,041.5	0.00	0.00	0.00
5,900.0	12.58	326.76	5,786.2	889.3	-582.8	1,063.3	0.00	0.00	0.00
6,000.0	12.58	326.76	5,883.8	907.5	-594.8	1,085.0	0.00	0.00	0.00
6,055.5	12.58	326.76	5,938.0	917.6	-601.4	1,097.1	0.00	0.00	0.00

API Well Number: 43047539080000

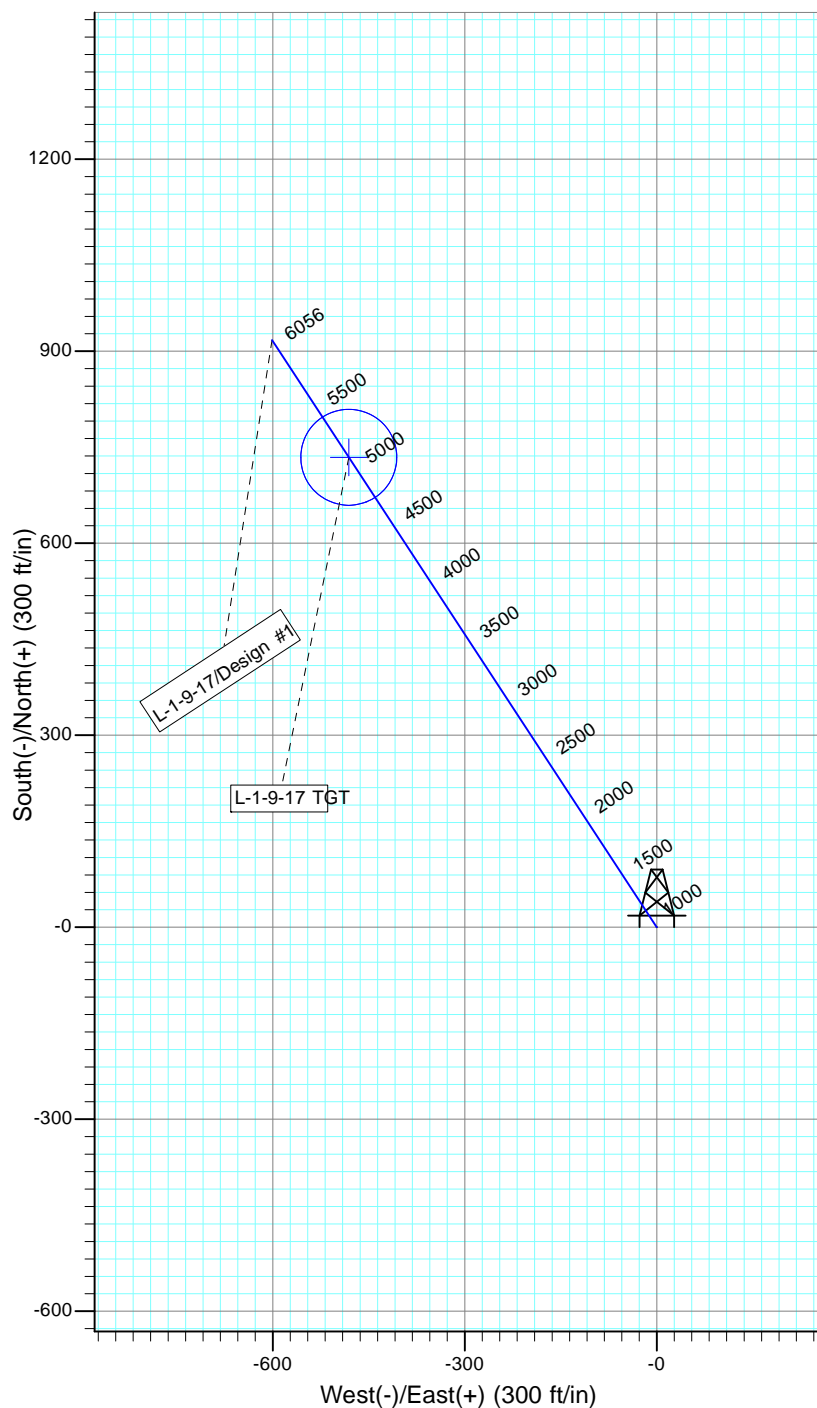
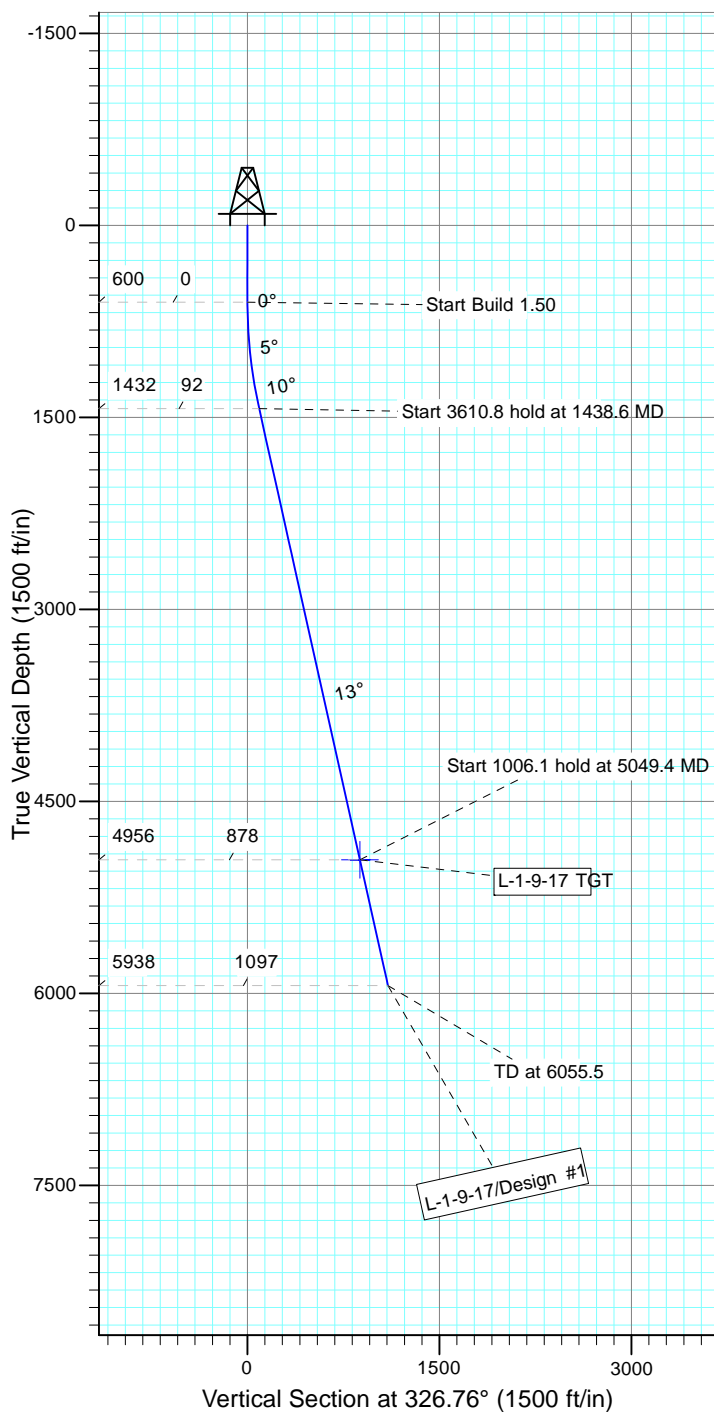


Project: USGS Myton SW (UT)
 Site: SECTION 1 T9S, 17E
 Well: L-1-9-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.01°

Magnetic Field
 Strength: 52100.3snT
 Dip Angle: 65.78°
 Date: 6/12/2013
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
L-1-9-17 TGT	4956.0	734.4	-481.3	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1438.6	12.58	326.76	1431.8	76.7	-50.3	1.50	326.76	91.7	
4	5049.4	12.58	326.76	4956.0	734.4	-481.3	0.00	0.00	878.0	L-1-9-17 TGT
5	6055.5	12.58	326.76	5938.0	917.6	-601.4	0.00	0.001097.1		



**NEWFIELD PRODUCTION COMPANY
GMBU L-1-9-17
AT SURFACE: NE/SE SECTION 1, T9S R17E
UINTAH COUNTY, UTAH**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU L-1-9-17 located in the NE 1/4 SE 1/4 Section 1, T9S, R17E, Uintah County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 – 1.4 miles \pm to the junction of this highway and UT State Hwy 53; proceed in a southeasterly direction – 14.8 miles \pm to it's junction with an existing road to the northeast; proceed in a northeasterly direction – 1.5 miles \pm to it's junction with an existing road to the west; proceed in a westerly direction – 0.5 miles \pm to it's junction with the beginning of the access road to the existing 9-1-9-17 well location.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal. Any necessary fill material for repair will be purchase and hauled from private sources.

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing 9-1-9-17 well pad. See attached **Topographic Map "B"**.

There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck from nearest water source as determined by a Newfield representative for the purpose of drilling the above mentioned well. The available water sources are as follows:

Johnson Water District
Water Right : 43-7478

Maurice Harvey Pond
Water Right: 47-1358

Neil Moon Pond
Water Right: 43-11787

Newfield Collector Well
Water Right: 47-1817 (A30414DVA, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

8. **ANCILLARY FACILITIES**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT**

See attached Location Layout Sheet.

Fencing Requirements

- a) All pits will be fenced or have panels installed consistent with the following minimum standards:
 1. The wire shall be no more than two (2) inches above the ground. If barbed wire is utilized it will be installed three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
 2. Corner posts shall be centered and/or braced in such a manner to keep tight and upright at all times
 3. Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Existing fences to be crossed by the access road will be braced and tied off before cutting so as to prevent slacking in the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM specifications.

10. **PLANS FOR RESTORATION OF SURFACE:**

- a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

- b) Dry Hole Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP** – Bureau of Land Management.

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report # 13-061 4/18/13, prepared by Montgomery Archaeological Consultants. . Paleontological Resource Survey prepared by, SWCA Environmental Consultants, Report No. UT13-14273-83, May 2013. See attached report cover pages, Exhibit "D".

Water Disposal

After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the GMBU L-1-9-17, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU L-1-9-17, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

13. LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:

Representative

Name: Corie Miller
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

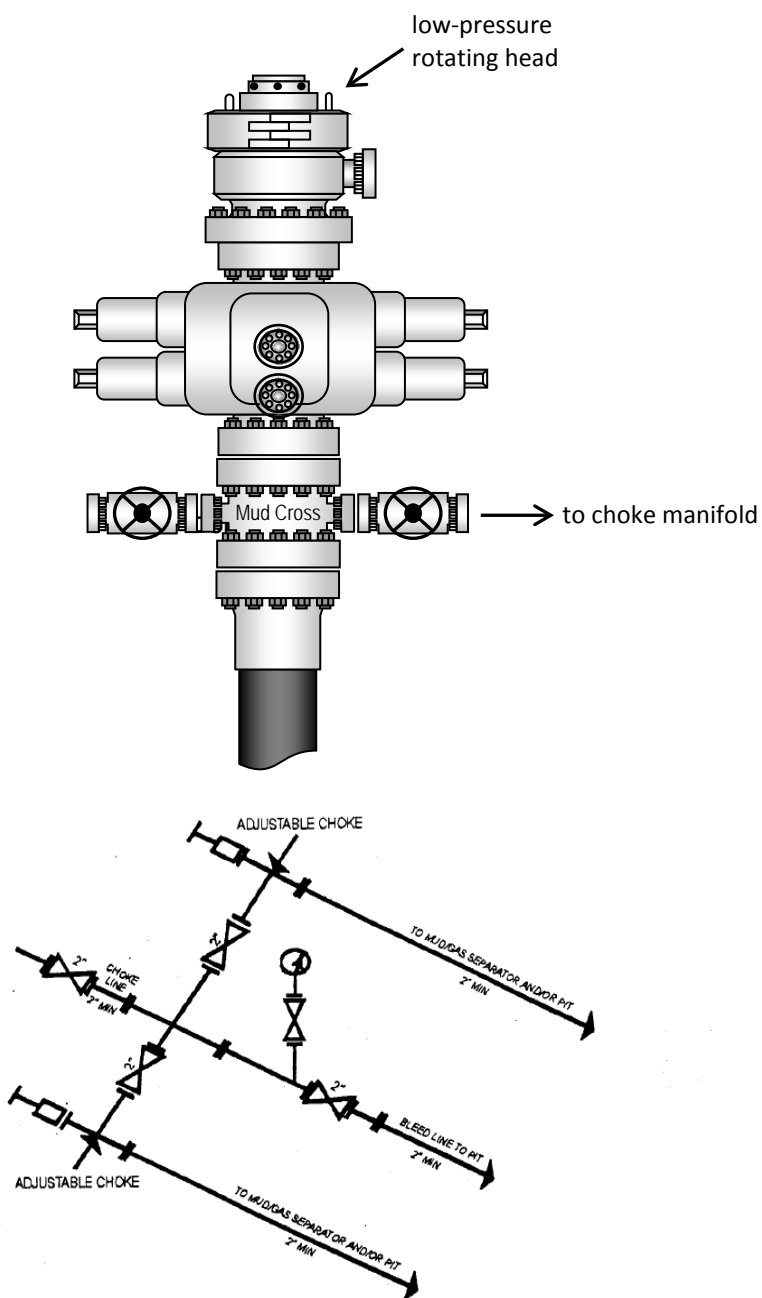
Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #L-1-9-17, Section 1, Township 9S, Range 17E: Lease UTU-79014 Uintah County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

Date 7/24/13

Heather Calder
Production Technician
Newfield Production Company

Typical 2M BOP stack configuration



2M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

NEWFIELD EXPLORATION COMPANY**WELL PAD INTERFERENCE PLAT****9-1-9-17 (Existing Well)****L-1-9-17 (Proposed Well)****0-6-9-18 (Proposed Well)****Pad Location: NESE Section 1, T9S, R17E, S.L.B.&M.**Existing
Stockpile

Expansion Area

Edge of
Existing Pad

(To Bottom Hole) $N52^{\circ}42'38''E - 1254.79'$
 (To Center of Pattern) $N52^{\circ}42'38''E - 999.78'$

**TOP HOLE FOOTAGES**

L-1-9-17
1859' FSL & 898' FEL
 0-6-9-18
1872' FSL & 881' FEL

**CENTER OF
PATTERN FOOTAGES**

L-1-9-17
2683' FNL & 1367' FEL
 0-6-9-18
2819' FNL & 76' FEL

BOTTOM HOLE FOOTAGES

L-1-9-17
2498' FNL & 1484' FEL
 0-6-9-18
2617' FSL & 129' FWL

Proposed Pit

Injection
Shed

9-1-9-17 (EXISTING)

Note:

Bearings are
based on GPS
Observations.

**RELATIVE COORDINATES
From Top Hole to C.O.P.**

WELL	NORTH	EAST
L-1-9-17	734'	-481'
0-6-9-18	606'	795'

**RELATIVE COORDINATES
From Top Hole to Bottom Hole**

WELL	NORTH	EAST
L-1-9-17	918'	-601'
0-6-9-18	760'	998'

**LATITUDE & LONGITUDE
Surface position of Wells (NAD 83)**

WELL	LATITUDE	LONGITUDE
9-1-9-17	40° 03' 27.86"	109° 56' 55.63"
L-1-9-17	40° 03' 27.99"	109° 56' 55.41"
0-6-9-18	40° 03' 28.12"	109° 56' 55.20"

**LATITUDE & LONGITUDE
Center of Pattern (NAD 83)**

WELL	LATITUDE	LONGITUDE
L-1-9-17	40° 03' 35.32"	109° 57' 01.44"
0-6-9-18	40° 03' 33.97"	109° 56' 44.84"

**LATITUDE & LONGITUDE
Bottom Hole Position (NAD 83)**

WELL	LATITUDE	LONGITUDE
L-1-9-17	40° 03' 37.16"	109° 57' 02.94"
0-6-9-18	40° 03' 35.46"	109° 56' 42.20"

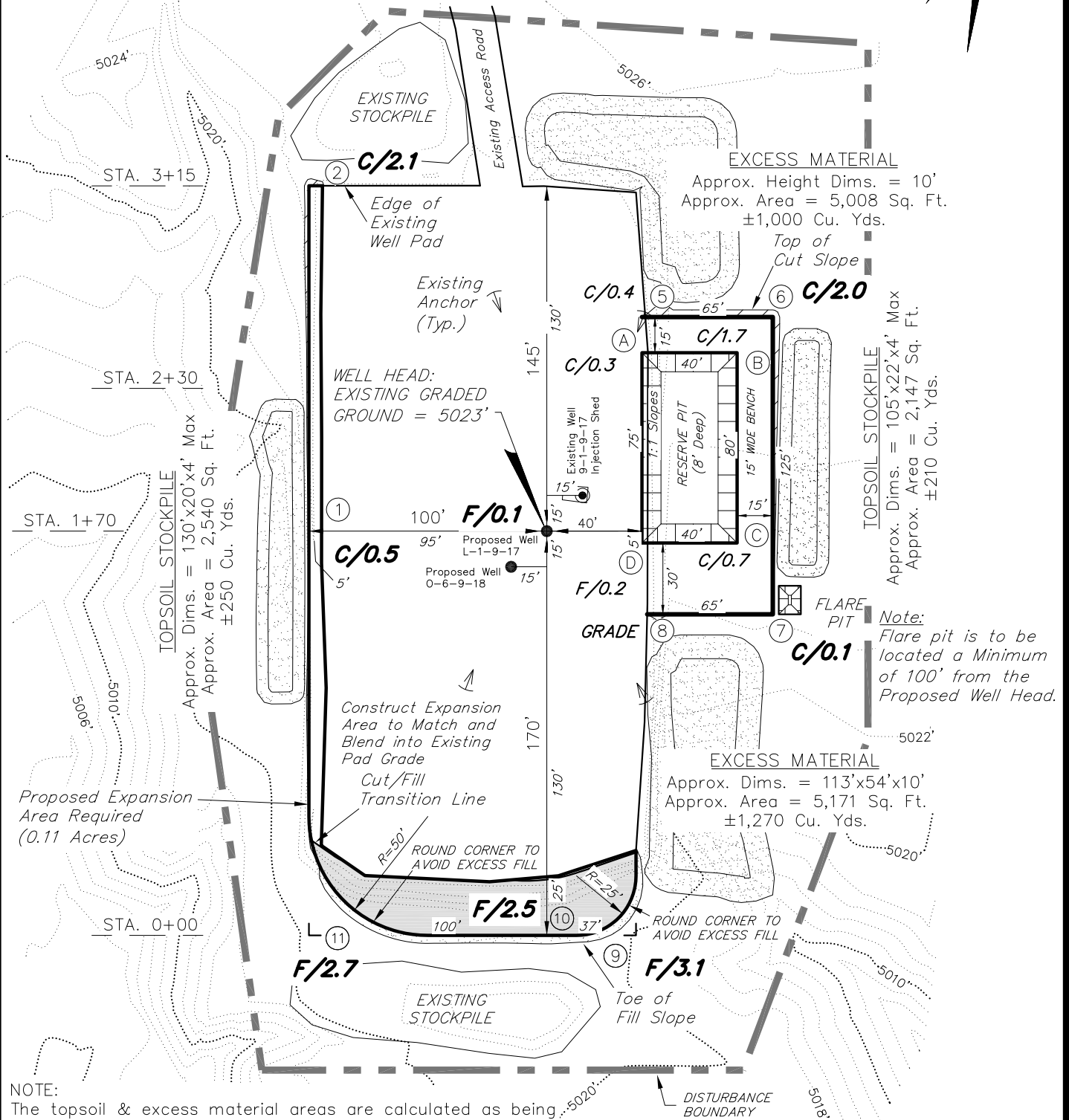
SURVEYED BY: S.H. DATE SURVEYED: 01-24-13 VERSION:
 DRAWN BY: L.C.S. DATE DRAWN: 06-17-13
 SCALE: 1" = 60' REVISED: V2

Tri State
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

RECEIVED: July 24, 2013

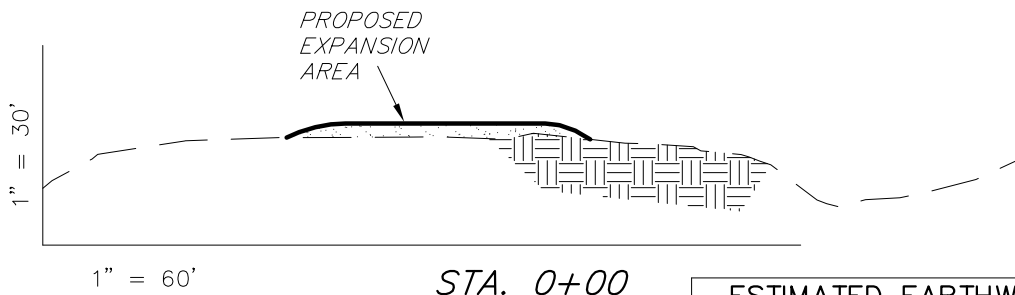
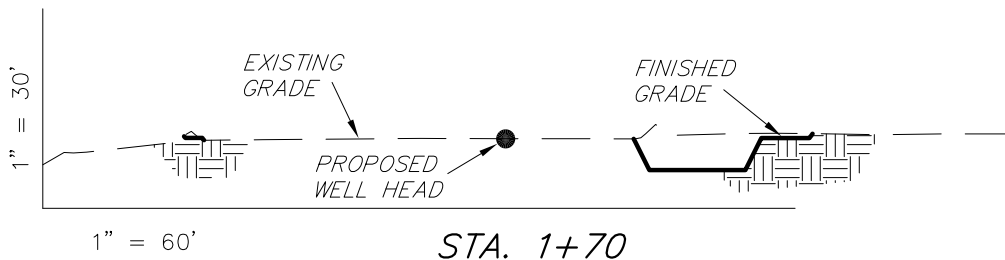
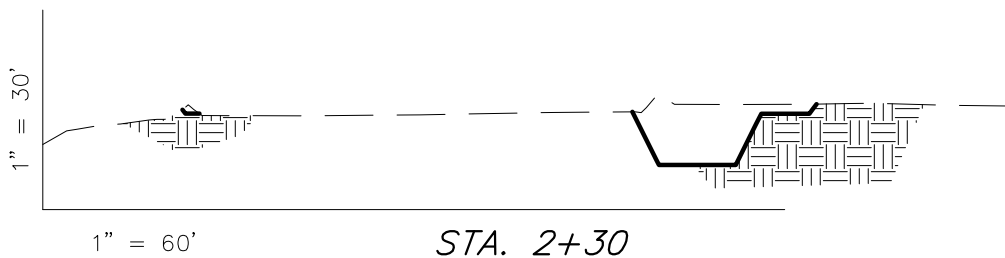
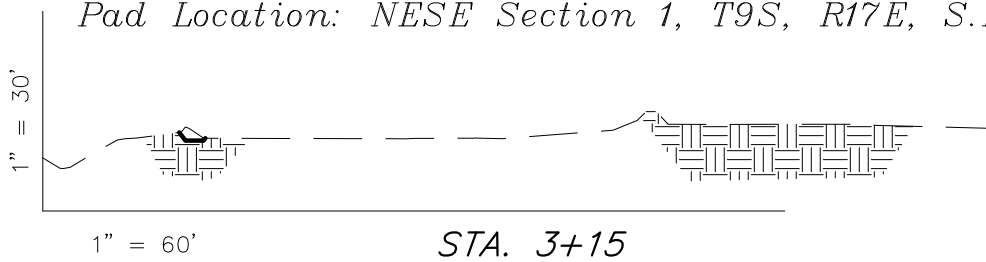
NEWFIELD EXPLORATION COMPANY**LOCATION LAYOUT****9-1-9-17 (Existing Well)****L-1-9-17 (Proposed Well)****0-6-9-18 (Proposed Well)****Pad Location: NESE Section 1, T9S, R17E, S.L.B.&M.****NOTE:**

The topsoil & excess material areas are calculated as being mounds containing 2,730 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

SURVEYED BY: S.H.	DATE SURVEYED: 01-24-13	VERSION:
DRAWN BY: L.C.S.	DATE DRAWN: 06-17-13	V2
SCALE: 1" = 60'	REVISED:	

Tri State
Land Surveying, Inc.
(435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

RECEIVED: July 24, 2013

NEWFIELD EXPLORATION COMPANY***CROSS SECTIONS******9-1-9-17 (Existing Well)******L-1-9-17 (Proposed Well)******0-6-9-18 (Proposed Well)****Pad Location: NESE Section 1, T9S, R17E, S.L.B.&M.*

NOTE:
UNLESS OTHERWISE
NOTED ALL CUT/FILL
SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

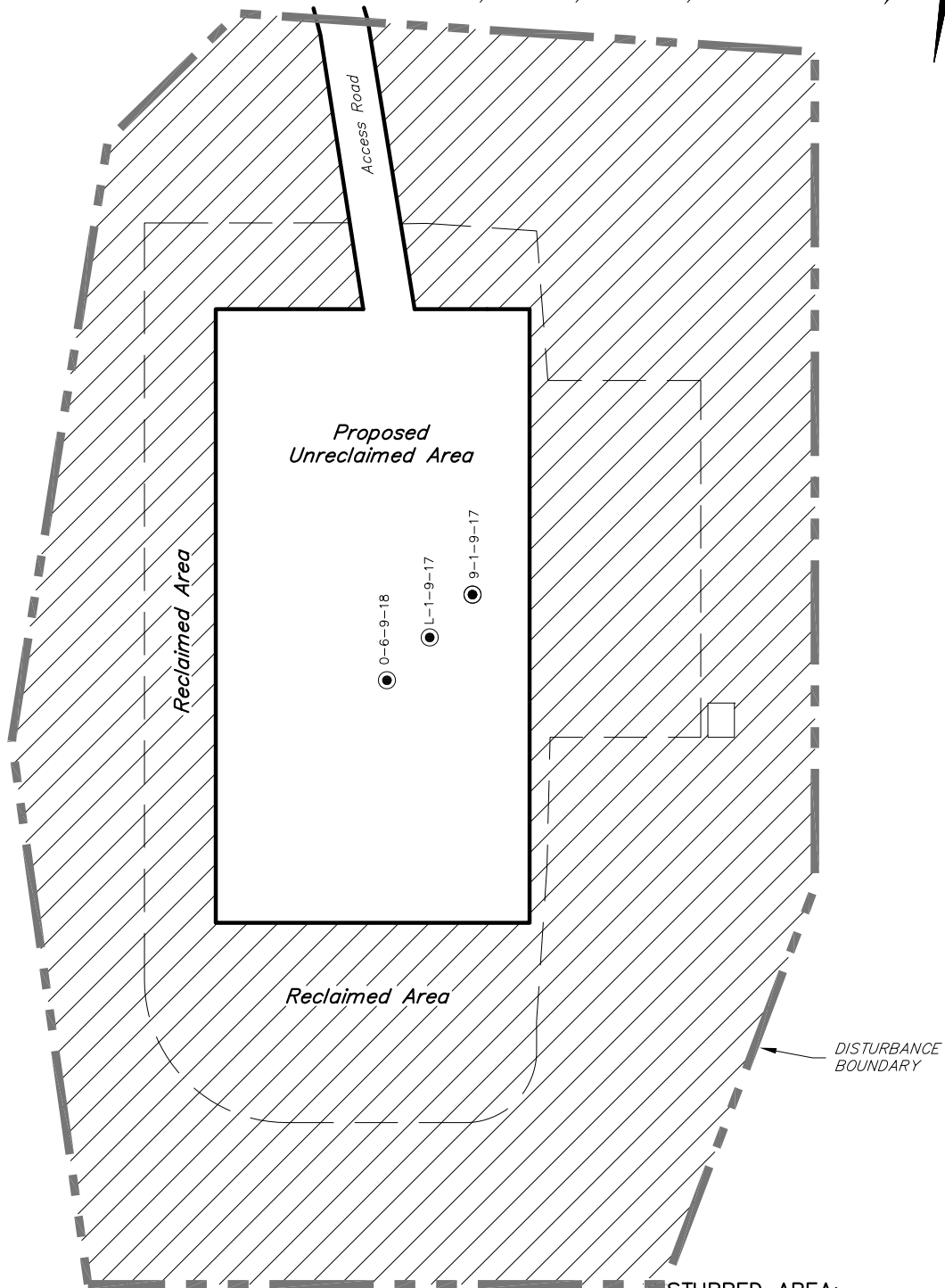
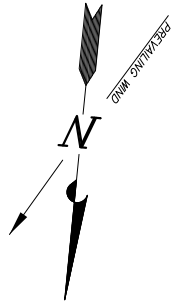
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	1370	0	Topsoil is not included in Pad Cut	1,370
PIT	690	0		690
TOTALS	2,060	0	420	2,060

SURVEYED BY: S.H.	DATE SURVEYED: 01-24-13	VERSION:
DRAWN BY: L.C.S.	DATE DRAWN: 06-17-13	V2
SCALE: 1" = 60'	REVISED:	

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501

RECEIVED: July 24, 2013

RECEIVED: July 24, 2013

NEWFIELD EXPLORATION COMPANY**RECLAMATION LAYOUT****9-1-9-17 (Existing Well)****L-1-9-17 (Proposed Well)****0-6-9-18 (Proposed Well)***Pad Location: NESE Section 1, T9S, R17E, S.L.B.&M.***Notes:**

1. Reclaimed Area to Include Seeding of Approved Vegetation and Sufficient Storm Water Management System.
2. Actual Equipment Layout and Reclaimed Pad Surface Area May Change due to Production Requirements or Site Conditions.

DISTURBED AREA:

TOTAL DISTURBED AREA = \pm 2.56 ACRES
 TOTAL RECLAIMED AREA = \pm 1.98 ACRES
 UNRECLAIMED AREA = \pm 0.58 ACRES

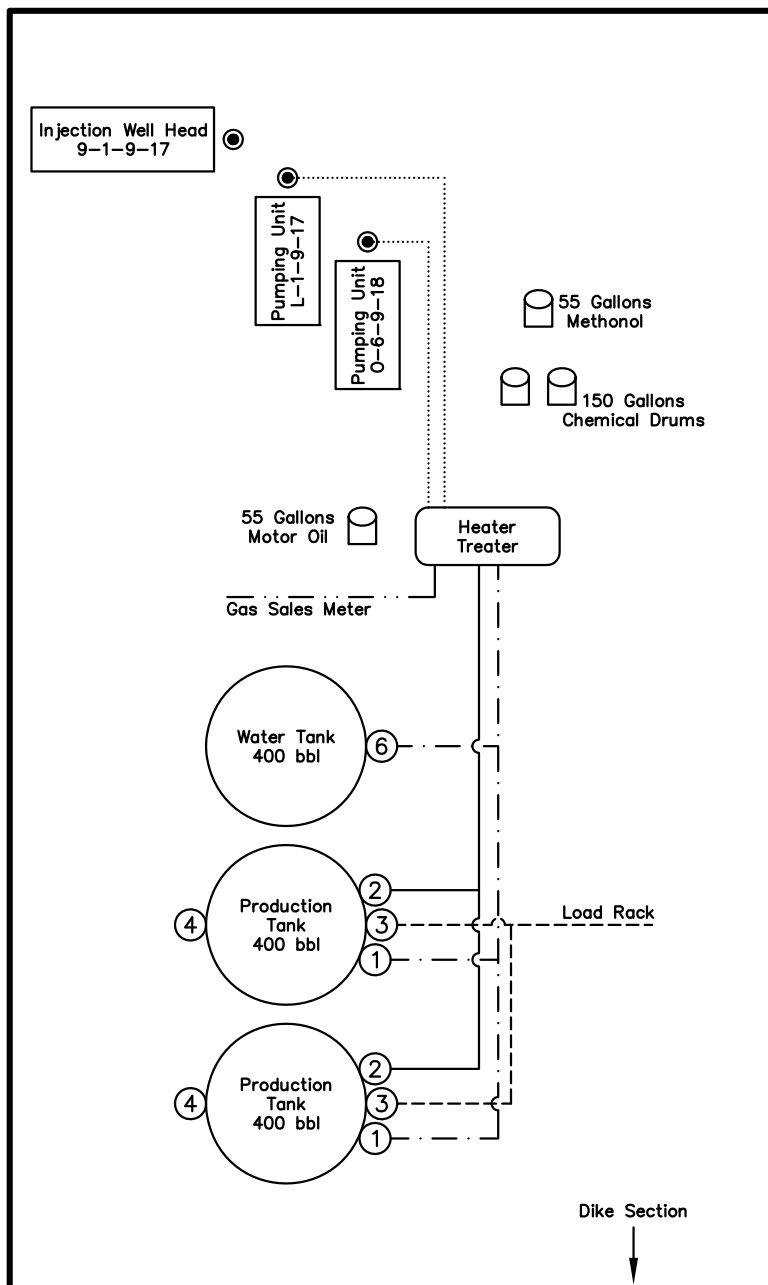
SURVEYED BY: S.H.	DATE SURVEYED: 01-24-13	VERSION:
DRAWN BY: L.C.S.	DATE DRAWN: 06-17-13	V2
SCALE: 1" = 60'	REVISED:	

Tri State (435) 781-2501
 Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

RECEIVED: July 24, 2013

NEWFIELD EXPLORATION COMPANY**PROPOSED SITE FACILITY DIAGRAM****9-1-9-17****L-1-9-17 UTU-79014****O-6-9-18 UTU-79014**

*Pad Location: NESE Section 1, T9S, R17E, S.L.B.&M.
 Uintah County, Utah*

**Legend**

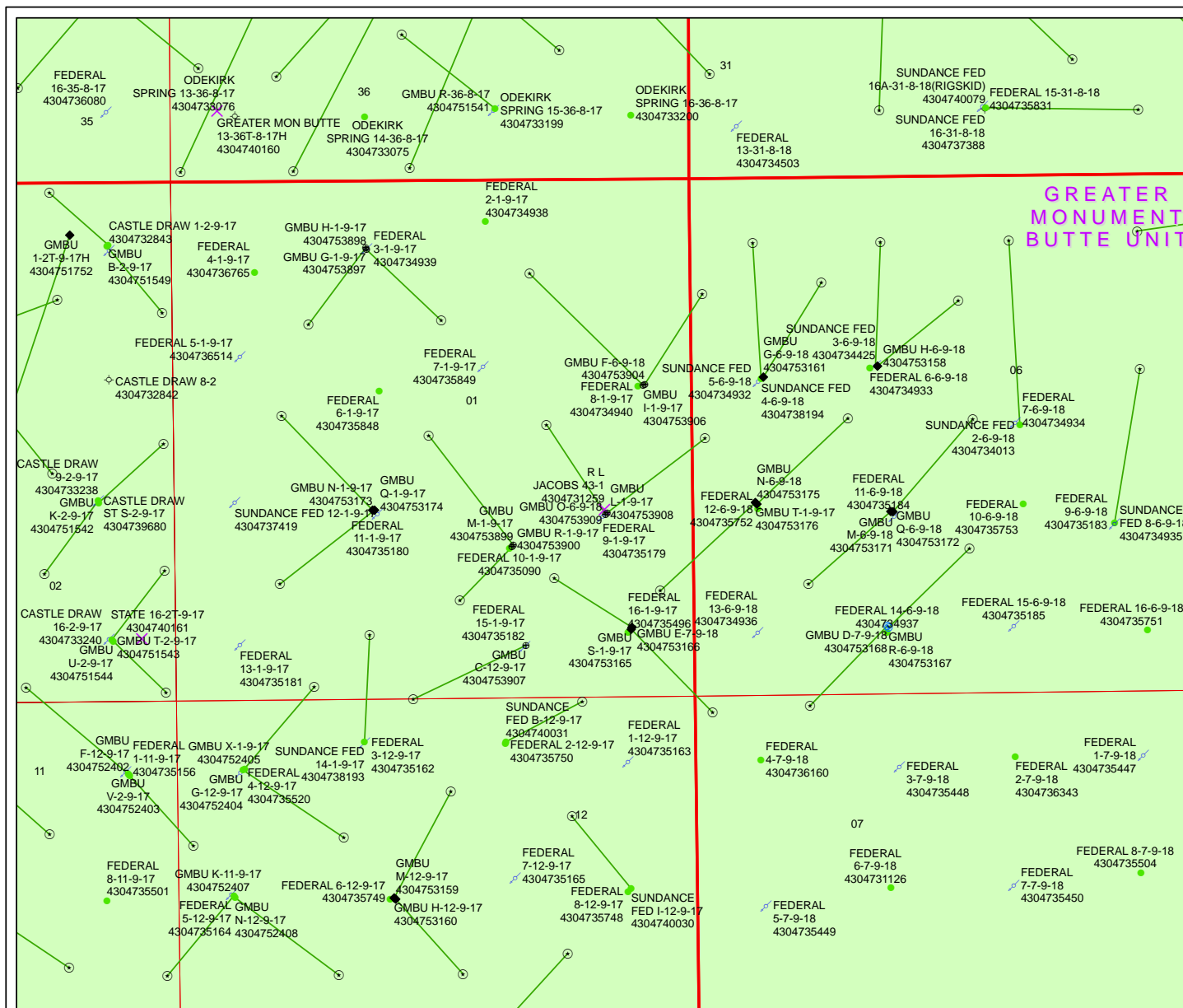
Emulsion Line
 Load Rack -----
 Water Line - - - - -
 Gas Sales -
 Oil Line _____

NOT TO SCALE

SURVEYED BY: S.H.	DATE SURVEYED: 01-24-13	VERSION:
DRAWN BY: L.C.S.	DATE DRAWN: 06-17-13	V2
SCALE: NONE	REVISED:	

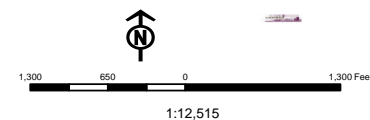
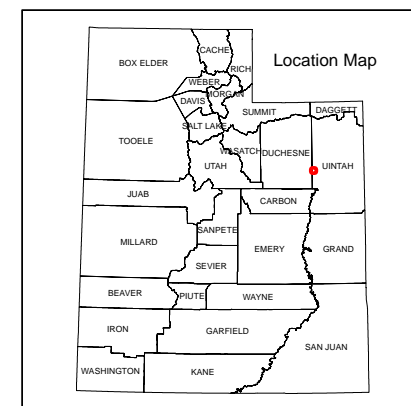
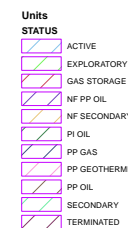
Tri State (435) 781-2501
Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

RECEIVED: July 24, 2013



API Number: 4304753908
Well Name: GMBU L-1-9-17
Township T09.0S Range R17.0E Section 01
Meridian: SLBM
Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
Map Produced by Diana Mason



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
440 West 200 South, Suite 500
Salt Lake City, UT 84101

IN REPLY REFER TO:
3160
(UT-922)

July 29, 2013

Memorandum

To: Assistant Field Office Manager Minerals,
Vernal Field Office

From: Michael Coulthard, Petroleum Engineer

Subject: 2013 Plan of Development Greater Monument
Butte Unit, Duchesne and Uintah Counties,
Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2013 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-52328	GMBU H-27-8-17	Sec 27 T08S R17E 2039 FNL 2209 FEL BHL Sec 27 T08S R17E 1141 FNL 2543 FWL
43-013-52329	GMBU M-27-8-17	Sec 27 T08S R17E 2060 FNL 2208 FEL BHL Sec 27 T08S R17E 2585 FNL 2626 FWL
43-047-53900	GMBU R-1-9-17	Sec 01 T09S R17E 1537 FSL 1852 FEL BHL Sec 01 T09S R17E 0997 FSL 2392 FEL
43-047-53904	GMBU F-6-9-18	Sec 01 T09S R17E 2089 FNL 0478 FEL BHL Sec 06 T09S R18E 1182 FNL 0119 FWL
43-047-53905	GMBU L-34-8-18	Sec 34 T08S R18E 1930 FSL 1992 FEL BHL Sec 34 T08S R18E 2610 FNL 1275 FEL
43-047-53906	GMBU I-1-9-17	Sec 01 T09S R17E 2102 FNL 0495 FEL BHL Sec 01 T09S R17E 0957 FNL 1636 FEL
43-047-53907	GMBU C-12-9-17	Sec 01 T09S R17E 0531 FSL 1725 FEL BHL Sec 12 T09S R17E 0003 FNL 2418 FWL
43-047-53908	GMBU L-1-9-17	Sec 01 T09S R17E 1859 FSL 0898 FEL BHL Sec 01 T09S R17E 2498 FNL 1484 FEL

RECEIVED: July 30, 2013

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-047-53909	GMBU O-6-9-18	Sec 01 T09S R17E 1872 FSL 0881 FEL BHL Sec 06 T09S R18E 2617 FSL 0129 FWL
43-047-53910	GMBU X-26-8-17	Sec 35 T08S R17E 0872 FNL 2000 FWL BHL Sec 26 T08S R17E 0259 FSL 1097 FWL
43-047-53912	GMBU W-26-8-17	Sec 35 T08S R17E 0852 FNL 2008 FWL BHL Sec 26 T08S R17E 0214 FSL 2513 FEL

This office has no objection to permitting the wells at this time.

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management,
ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2013.07.29 09:21:04 -06'00'

bcc: File - Greater Monument Butte Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:7-29-13

RECEIVED: July 30, 2013

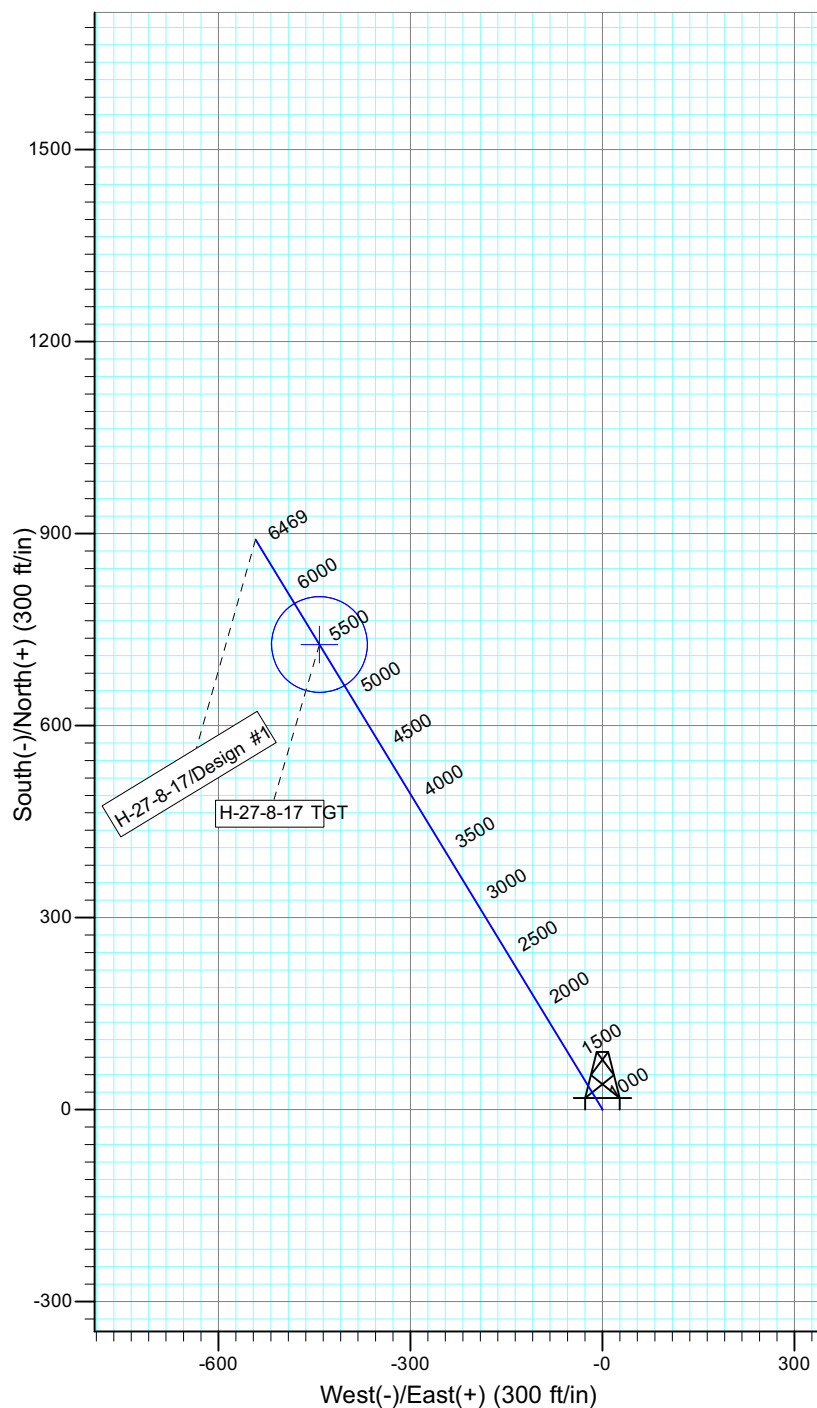
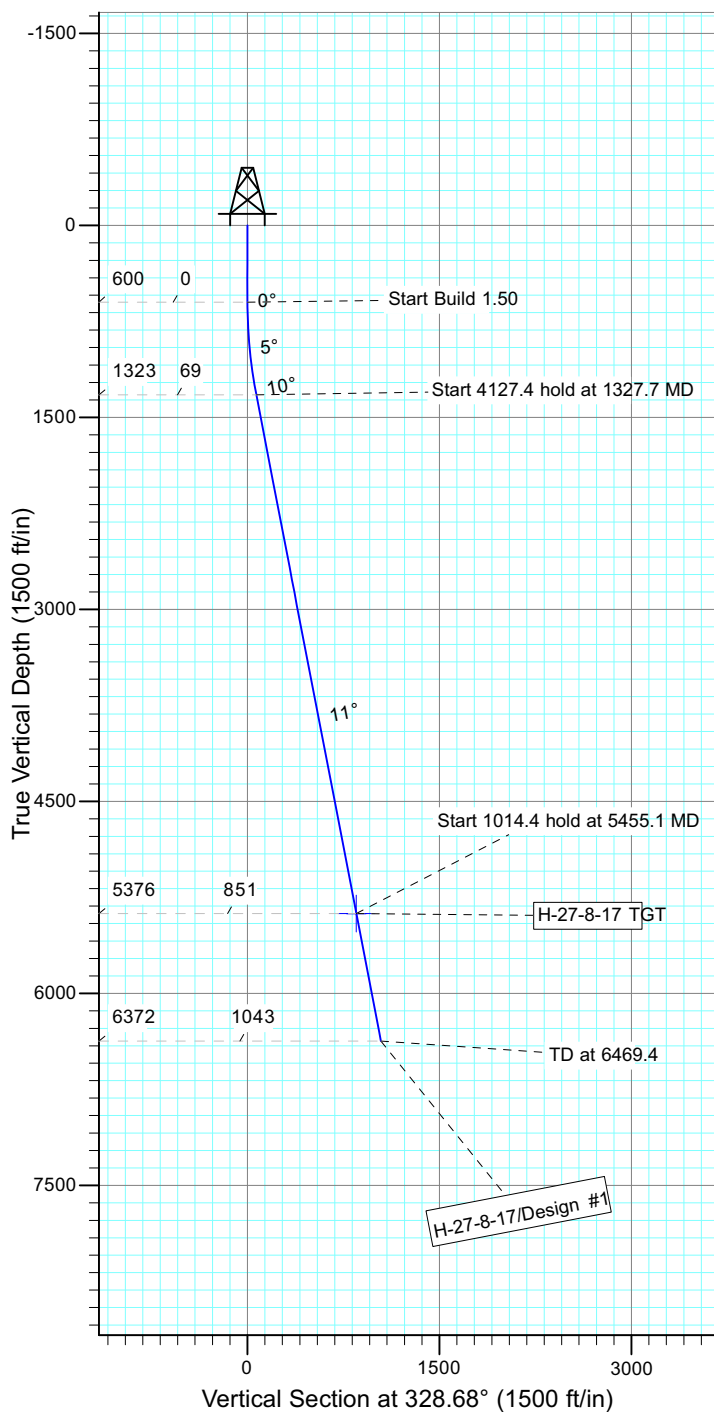


Project: USGS Myton SW (UT)
 Site: SECTION 27 T8S, R17E
 Well: H-27-8-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.04°

Magnetic Field
 Strength: 52111.2snT
 Dip Angle: 65.80°
 Date: 6/12/2013
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
H-27-8-17 TGT	5376.0	726.7	-442.2	Circle (Radius: 75.0)

SECTION DETAILS

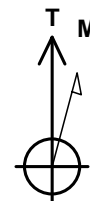
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1327.7	10.92	328.68	1323.3	59.0	-35.9	1.50	328.68	69.1	
4	5455.1	10.92	328.68	5376.0	726.7	-442.2	0.00	0.00	850.6	H-27-8-17 TGT
5	6469.4	10.92	328.68	6372.0	890.8	-542.0	0.00	0.00	1042.7	



Received: July 24, 2013

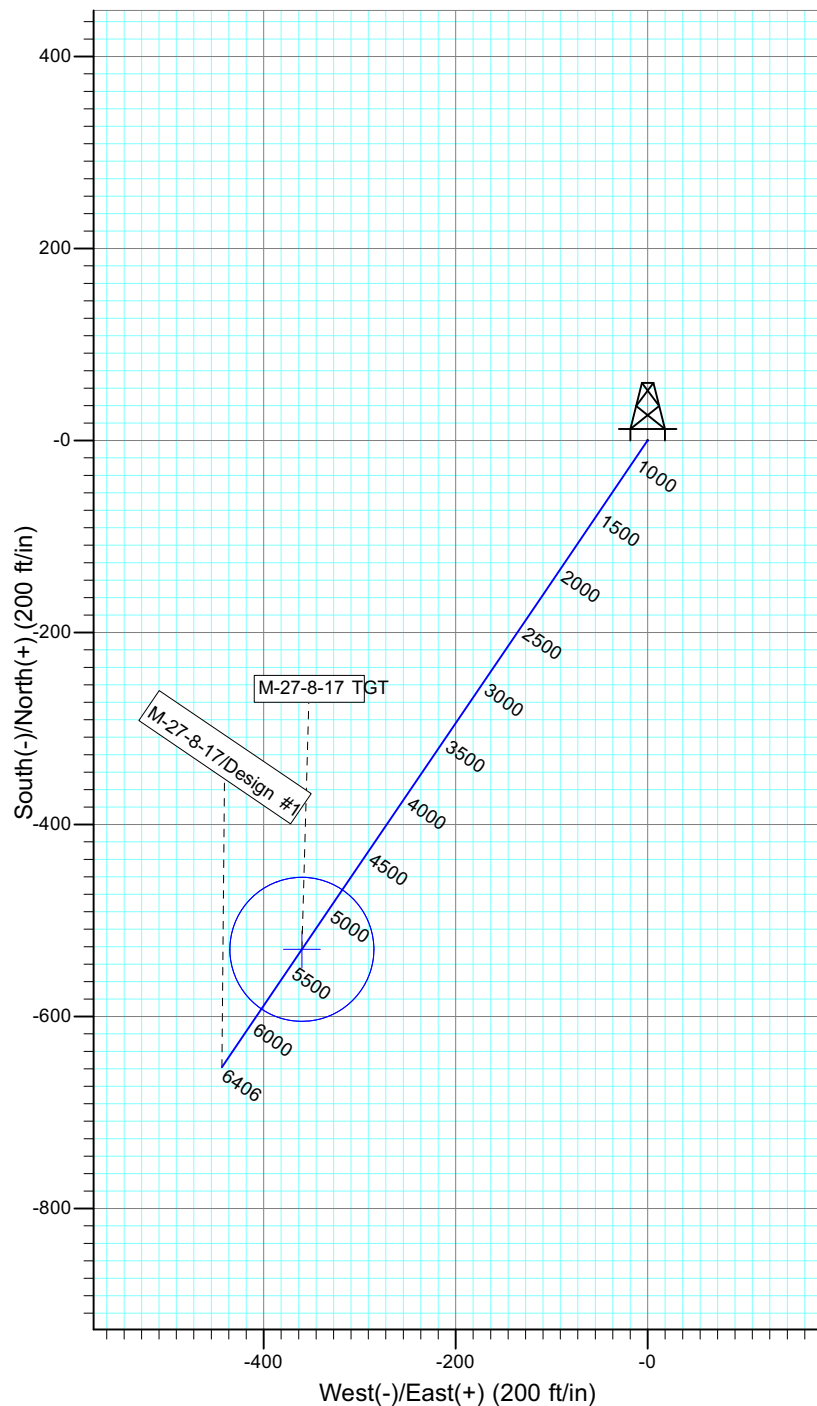
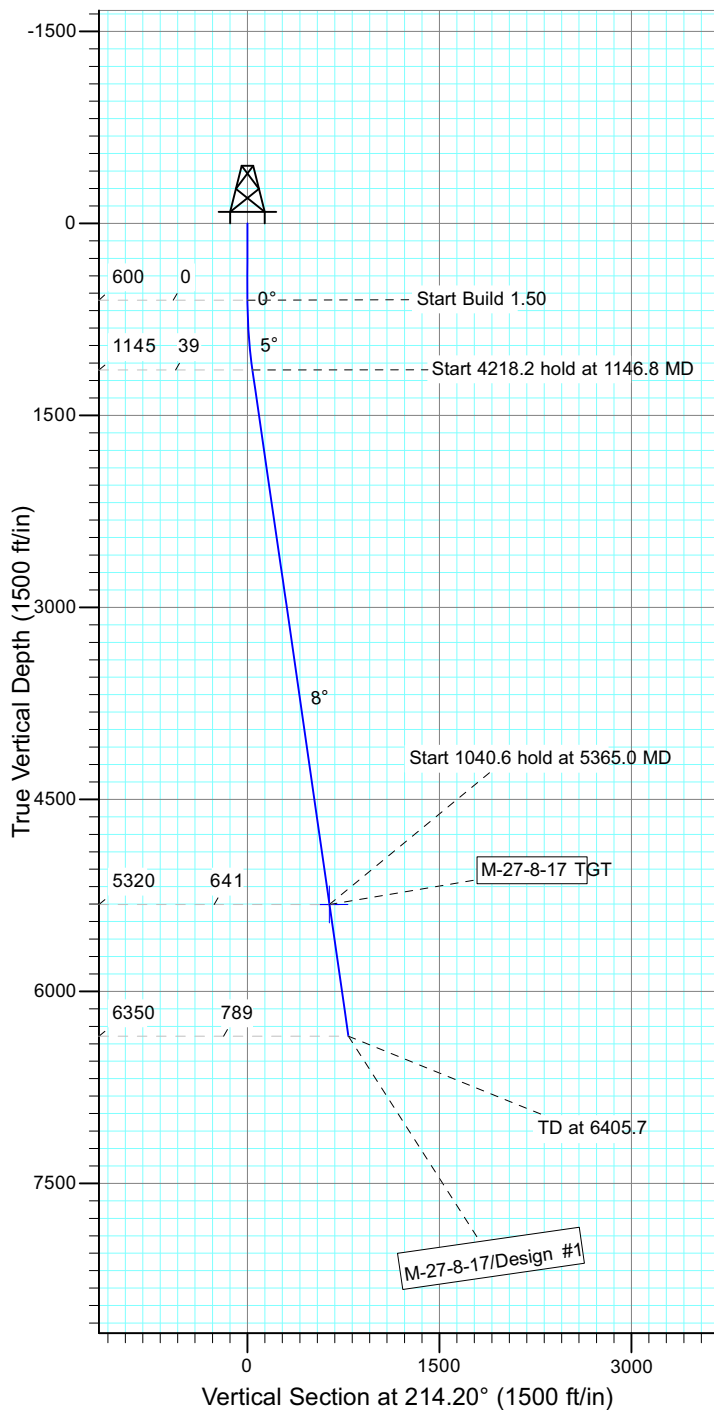


Project: USGS Myton SW (UT)
 Site: SECTION 27 T8S, R17E
 Well: M-27-8-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.04°

Magnetic Field
 Strength: 52111.1snT
 Dip Angle: 65.80°
 Date: 6/12/2013
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
M-27-8-17 TGT	5320.0	-530.1	-360.2	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1146.8	8.20	214.20	1145.0	-32.3	-22.0	1.50	214.20	39.1	
4	5365.0	8.20	214.20	5320.0	-530.1	-360.2	0.00	0.00	640.9	M-27-8-17 TGT
5	6405.7	8.20	214.20	6350.0	-652.9	-443.7	0.00	0.00	789.4	



Received: July 24, 2013

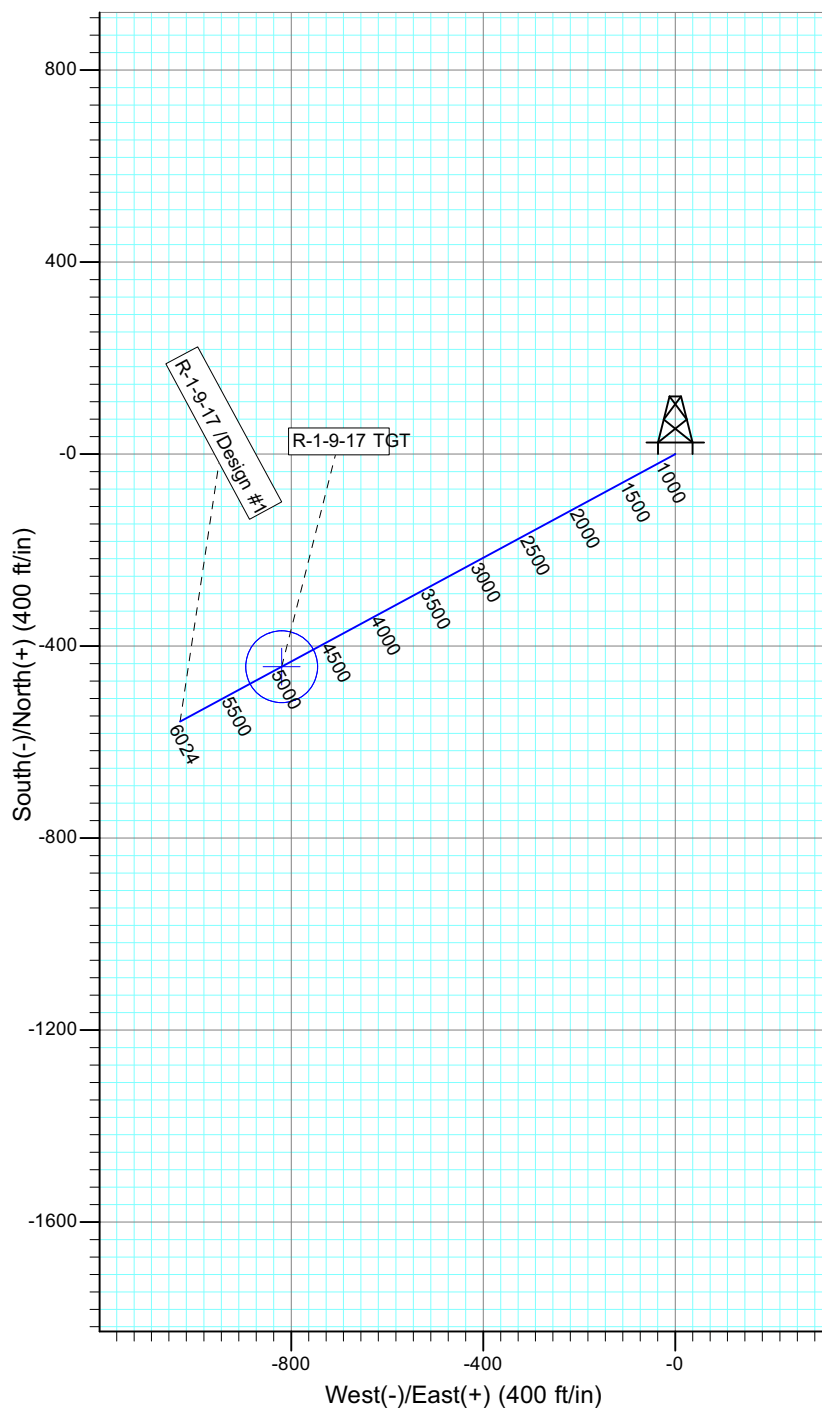
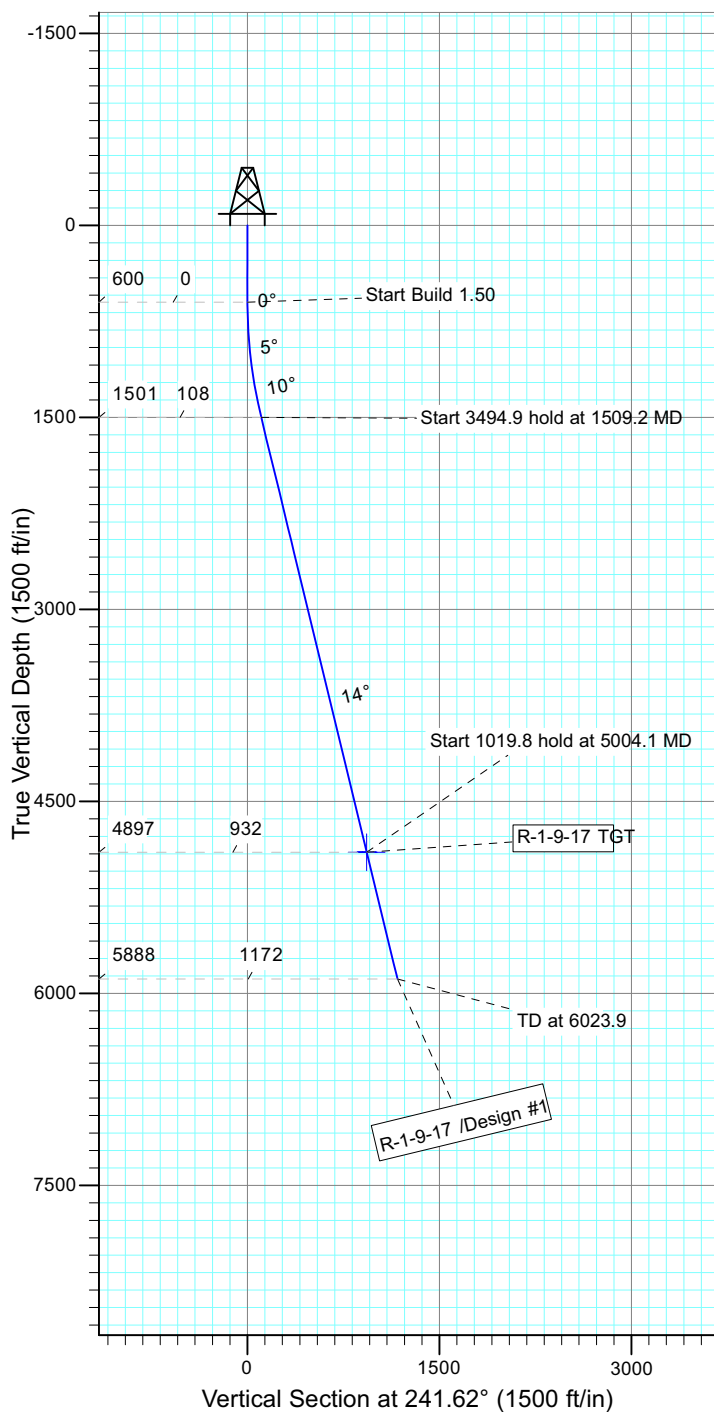


Project: USGS Myton SW (UT)
 Site: SECTION 1 T9S, 17E
 Well: R-1-9-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.02°

Magnetic Field
 Strength: 52099.9snT
 Dip Angle: 65.78°
 Date: 6/10/2013
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
R-1-9-17 TGT	4897.0	-442.9	-819.8	Circle (Radius: 75.0)

SECTION DETAILS

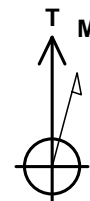
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1509.2	13.64	241.62	1500.7	-51.2	-94.8	1.50	241.62	107.7	
4	5004.1	13.64	241.62	4897.0	-442.9	-819.8	0.00	0.00	931.8	R-1-9-17 TGT
5	6023.9	13.64	241.62	5888.0	-557.2	-1031.3	0.00	0.00	1172.2	



Received: July 23, 2013

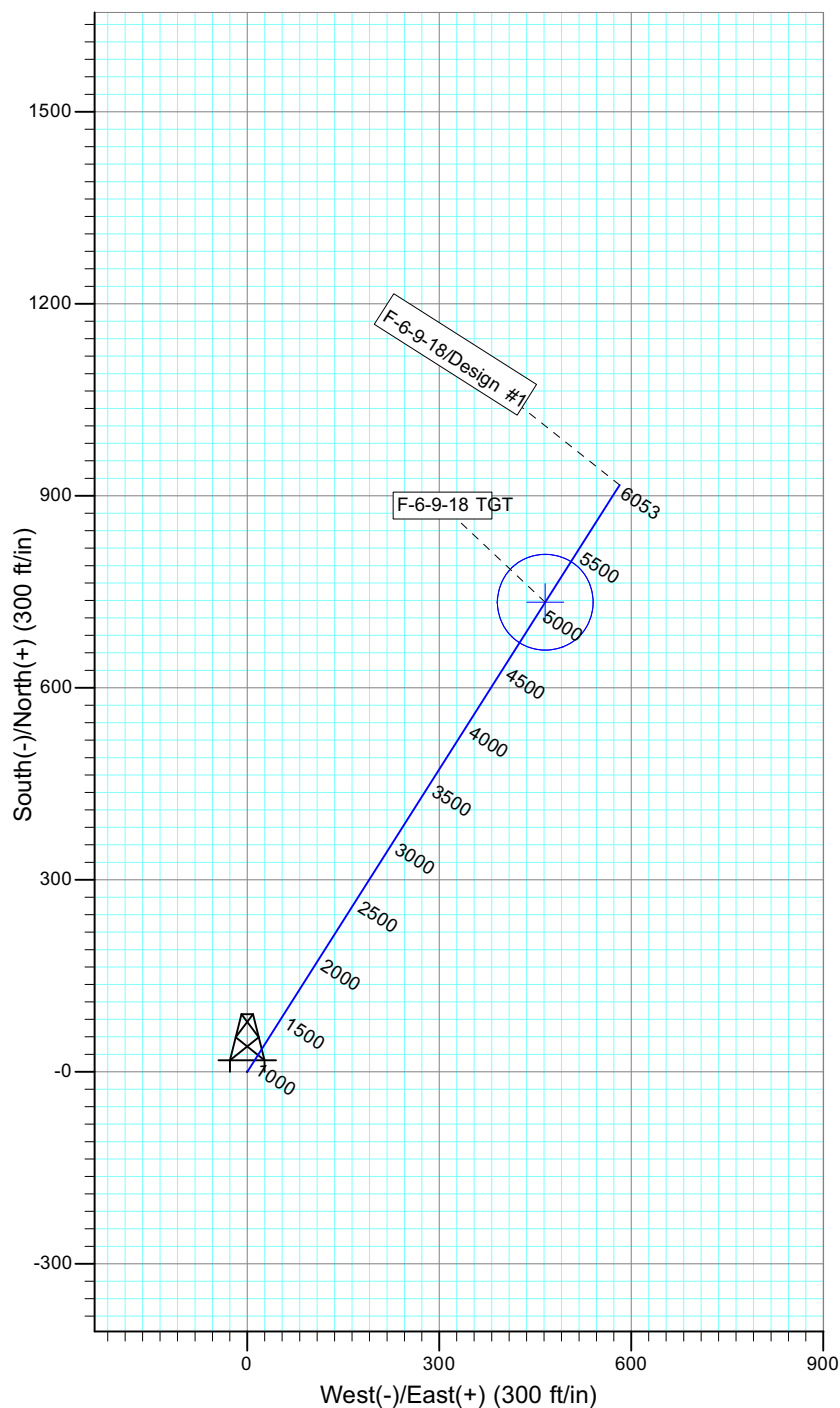
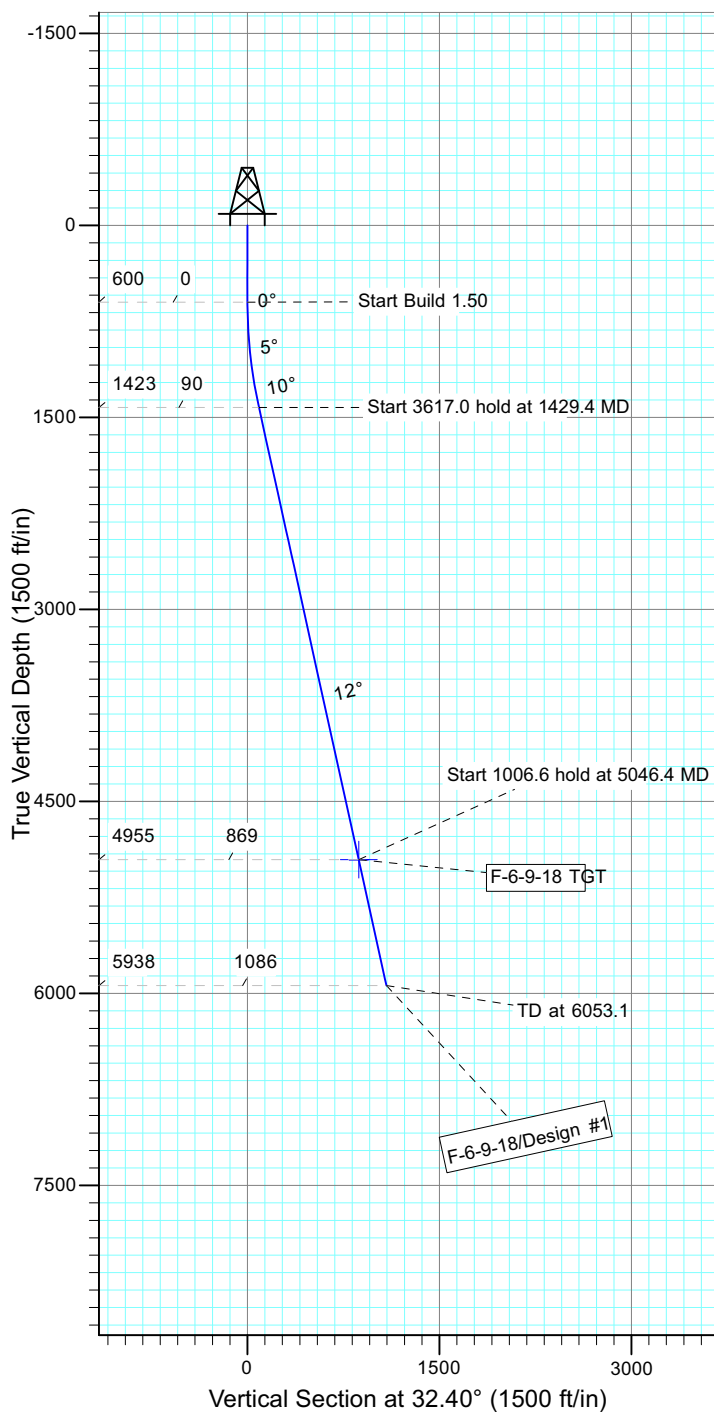


Project: USGS Myton SW (UT)
 Site: SECTION 1 T9S, 17E
 Well: F-6-9-18
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.01°

Magnetic Field
 Strength: 52103.7snT
 Dip Angle: 65.78°
 Date: 6/8/2013
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
F-6-9-18 TGT	4955.0	733.6	465.6	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1429.4	12.44	32.40	1422.9	75.7	48.1	1.50	32.40	89.7	
4	5046.4	12.44	32.40	4955.0	733.6	465.6	0.00	0.00	868.9	F-6-9-18 TGT
5	6053.1	12.44	32.40	5938.0	916.7	581.9	0.00	0.00	1085.8	



Received: July 24, 2013

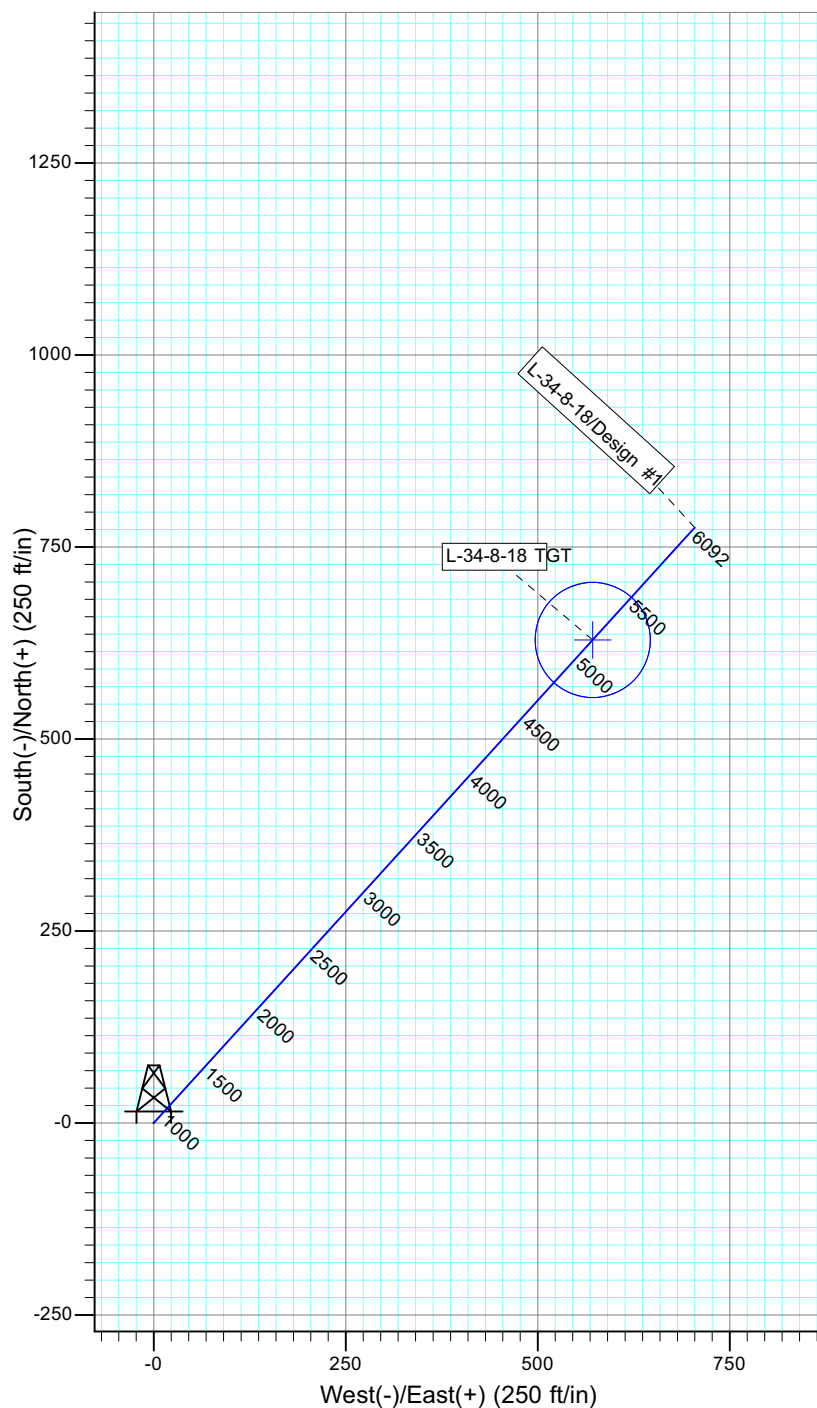
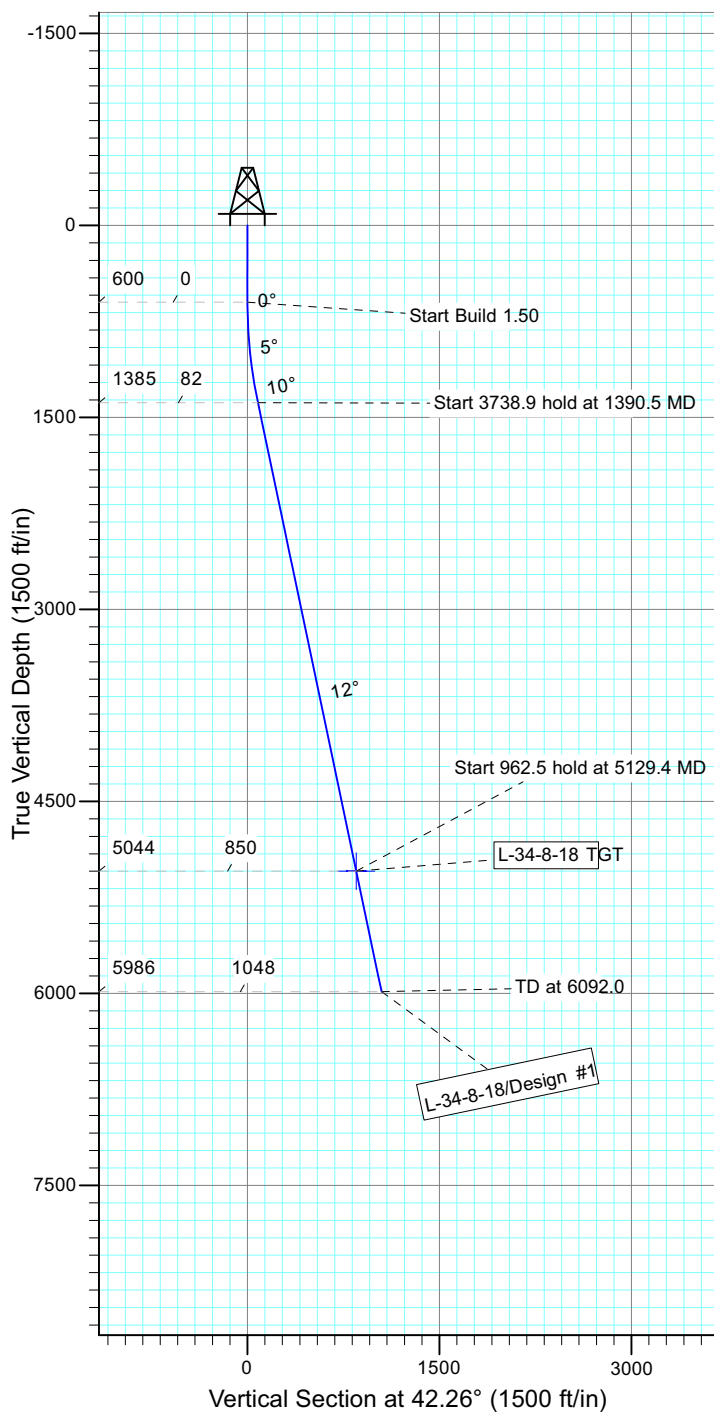


Project: USGS Myton SW (UT)
 Site: SECTION 34 T8S, R18E
 Well: L-34-8-18
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 10.99°

Magnetic Field
 Strength: 52119.4snT
 Dip Angle: 65.80°
 Date: 6/12/2013
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
L-34-8-18 TGT	5044.0	628.9	571.5	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1390.5	11.86	42.26	1384.9	60.3	54.8	1.50	42.26	81.5	
4	5129.4	11.86	42.26	5044.0	628.9	571.5	0.00	0.00	849.8	L-34-8-18 TGT
5	6092.0	11.86	42.26	5986.0	775.3	704.5	0.00	0.00	1047.6	

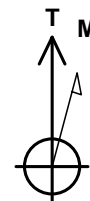


Received: July 24, 2013

API Well Number: 43047539080000

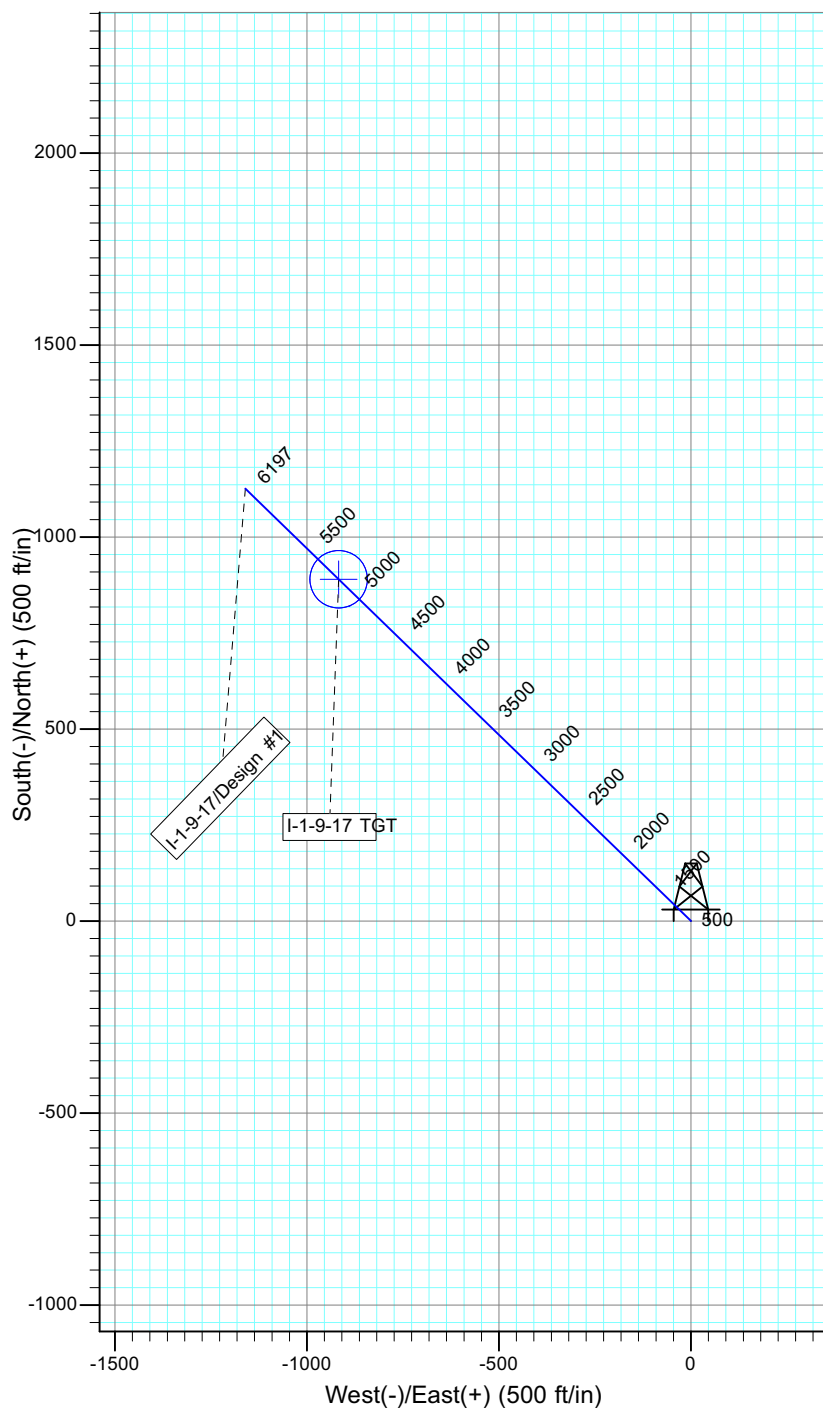
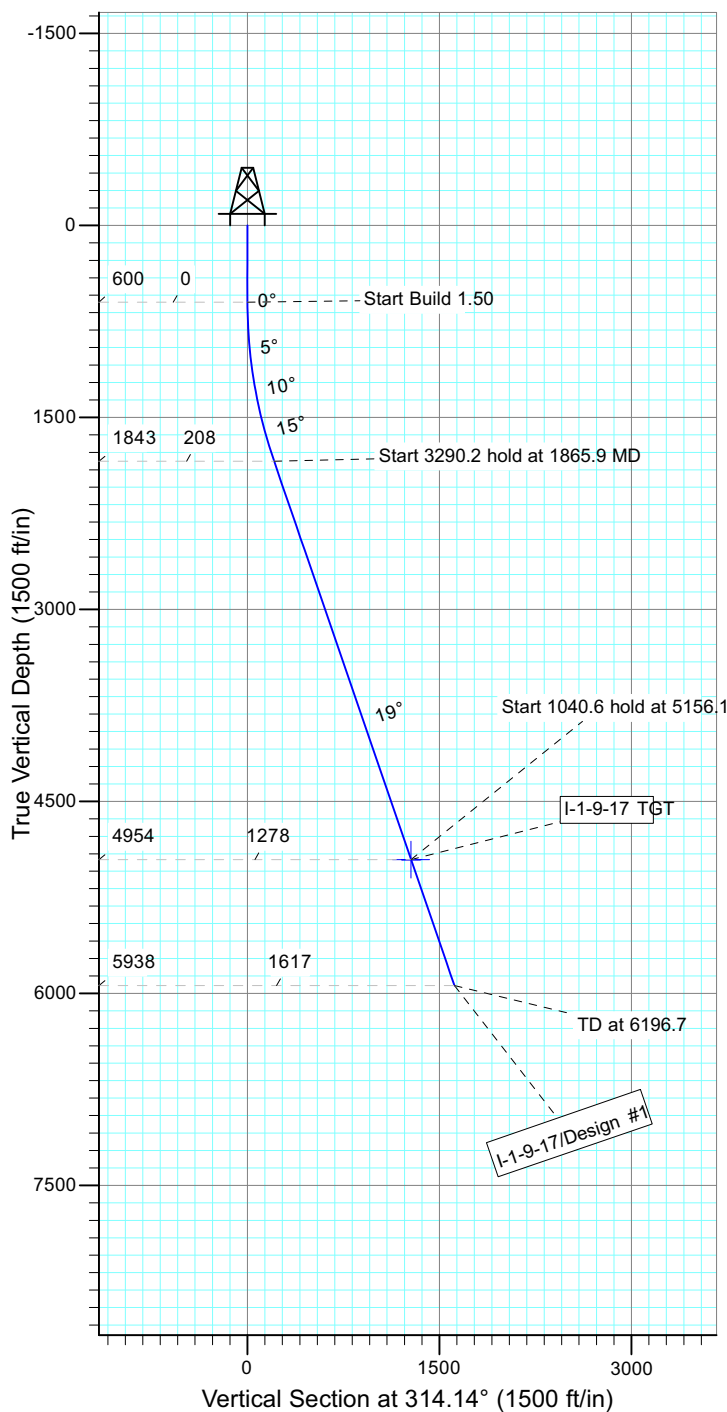


Project: USGS Myton SW (UT)
 Site: SECTION 1 T9S, 17E
 Well: I-1-9-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.01°

Magnetic Field
 Strength: 52103.7snT
 Dip Angle: 65.78°
 Date: 6/8/2013
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
I-1-9-17 TGT	4954.0	890.3	-917.4	Circle (Radius: 75.0)

SECTION DETAILS

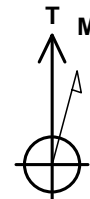
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1865.9	18.99	314.14	1842.8	144.7	-149.2	1.50	314.14	207.8	
4	5156.1	18.99	314.14	4954.0	890.3	-917.4	0.00	0.00	1278.4	I-1-9-17 TGT
5	6196.7	18.99	314.14	5938.0	1126.1	-1160.4	0.00	0.00	1617.0	



Received: July 24, 2013

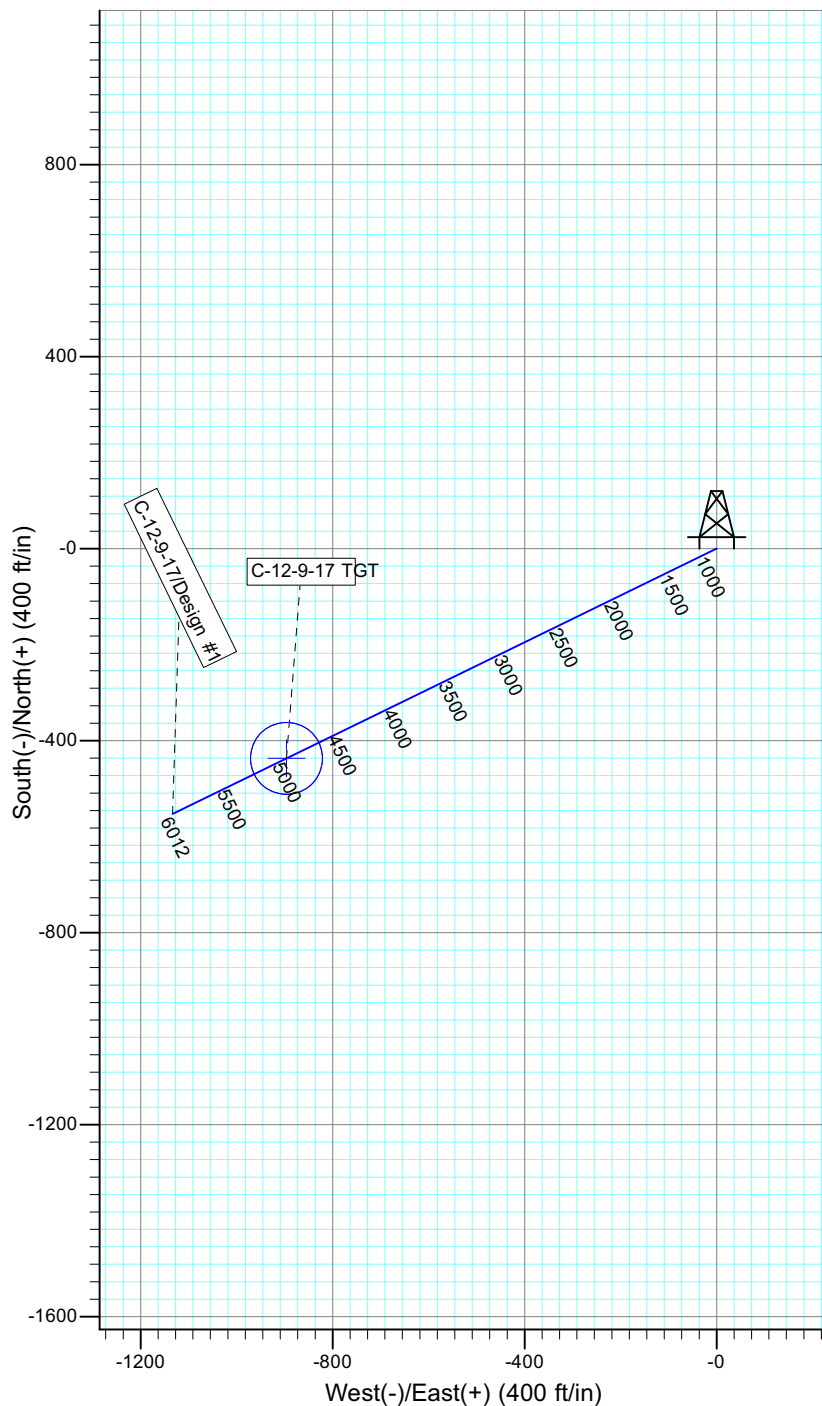
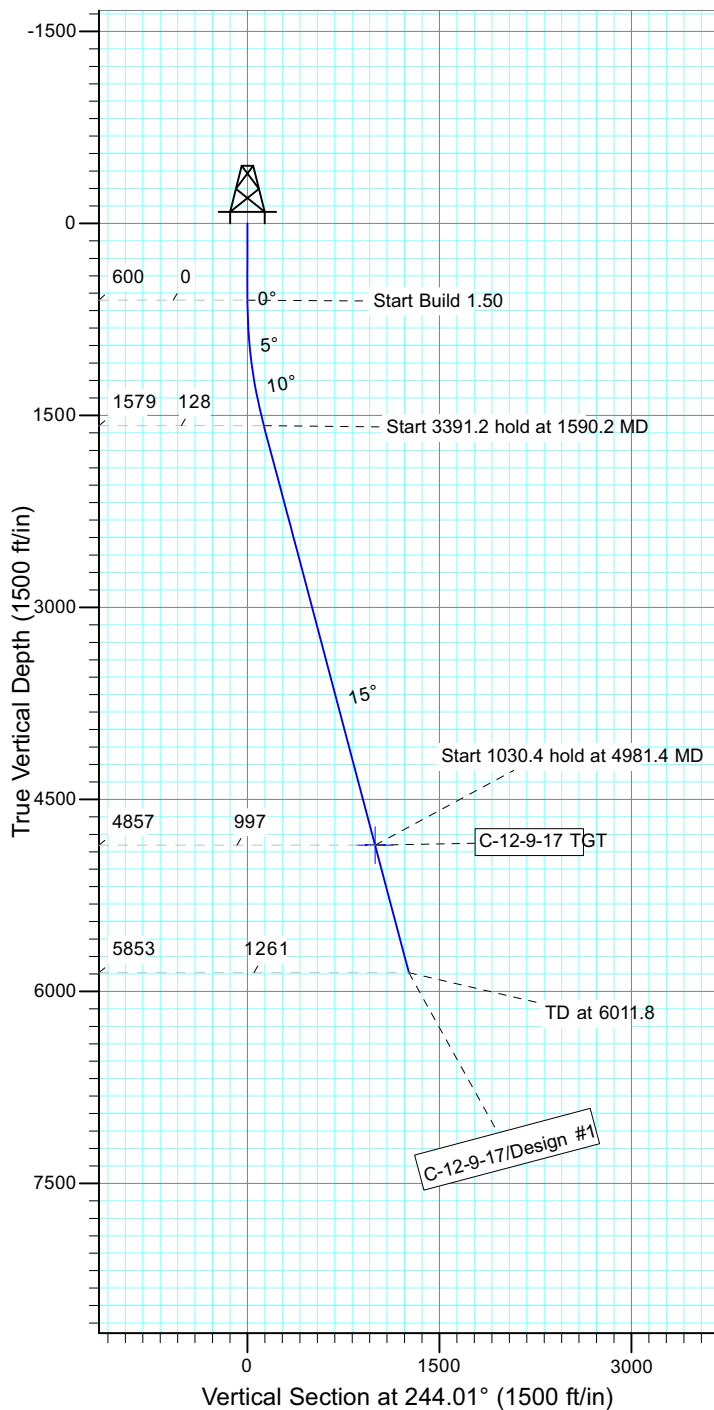


Project: USGS Myton SW (UT)
 Site: SECTION 1 T9S, 17E
 Well: C-12-9-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.01°

Magnetic Field
 Strength: 52098.4snT
 Dip Angle: 65.77°
 Date: 6/10/2013
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
C-12-9-17 TGT	4857.0	-436.9	-896.1	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1590.2	14.85	244.01	1579.2	-55.9	-114.7	1.50	244.01	127.6	
4	4981.4	14.85	244.01	4857.0	-436.9	-896.1	0.00	0.00	996.9	C-12-9-17 TGT
5	6011.8	14.85	244.01	5853.0	-552.6	-1133.5	0.00	0.00	1261.1	

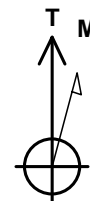


Received: July 24, 2013

API Well Number: 43047539080000

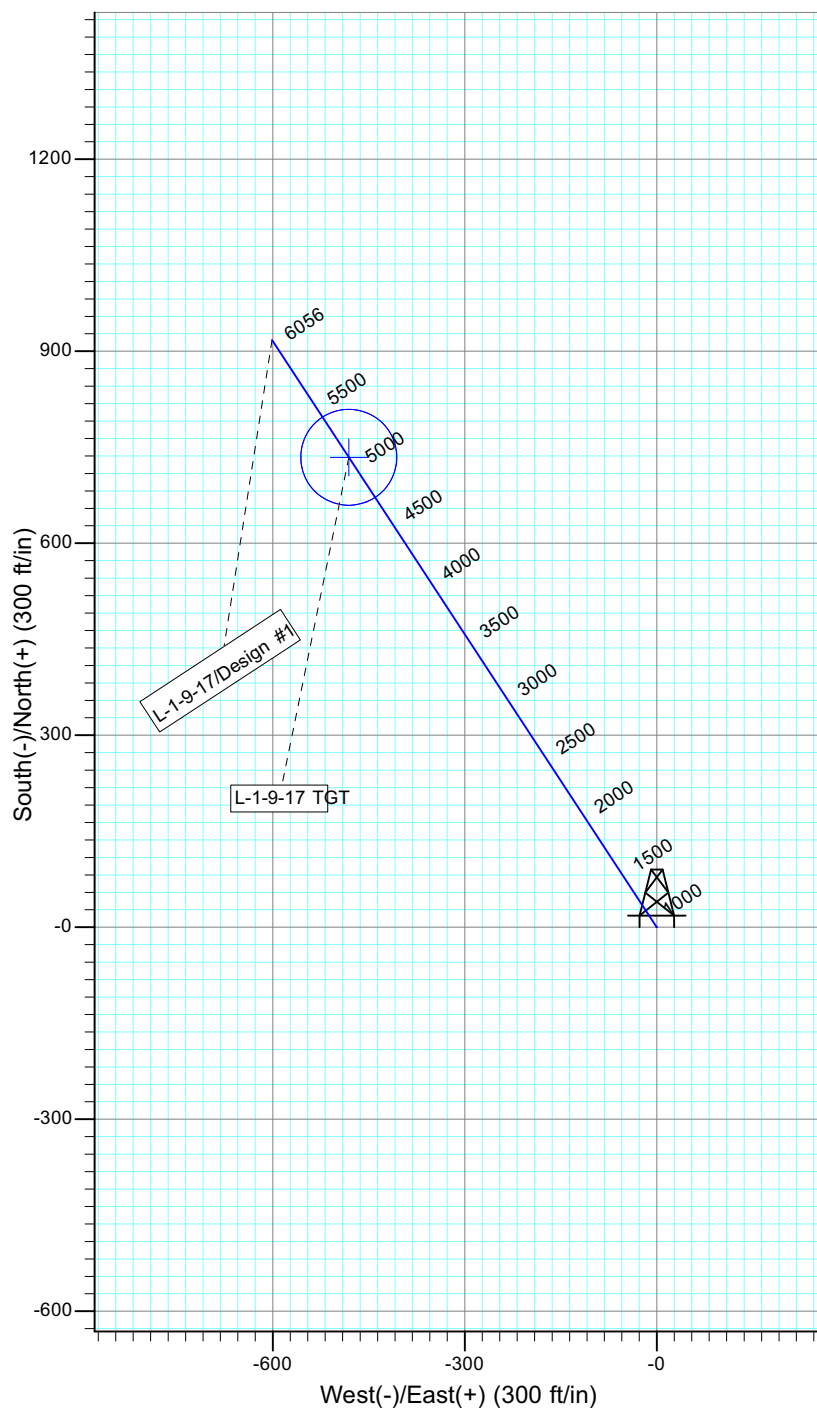
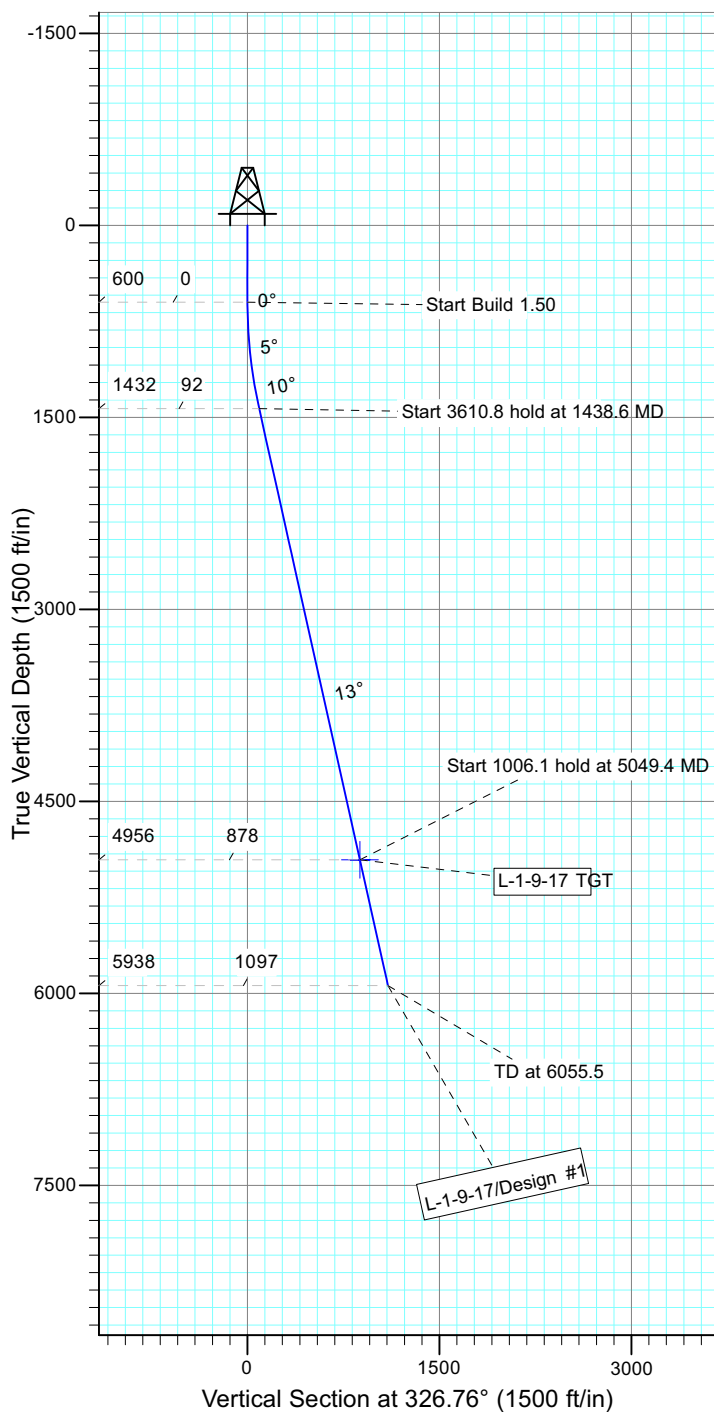


Project: USGS Myton SW (UT)
 Site: SECTION 1 T9S, 17E
 Well: L-1-9-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.01°

Magnetic Field
 Strength: 52100.3snT
 Dip Angle: 65.78°
 Date: 6/12/2013
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
L-1-9-17 TGT	4956.0	734.4	-481.3	Circle (Radius: 75.0)

SECTION DETAILS

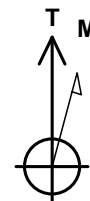
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1438.6	12.58	326.76	1431.8	76.7	-50.3	1.50	326.76	91.7	
4	5049.4	12.58	326.76	4956.0	734.4	-481.3	0.00	0.00	878.0	L-1-9-17 TGT
5	6055.5	12.58	326.76	5938.0	917.6	-601.4	0.00	0.001097.1		



Received: July 24, 2013

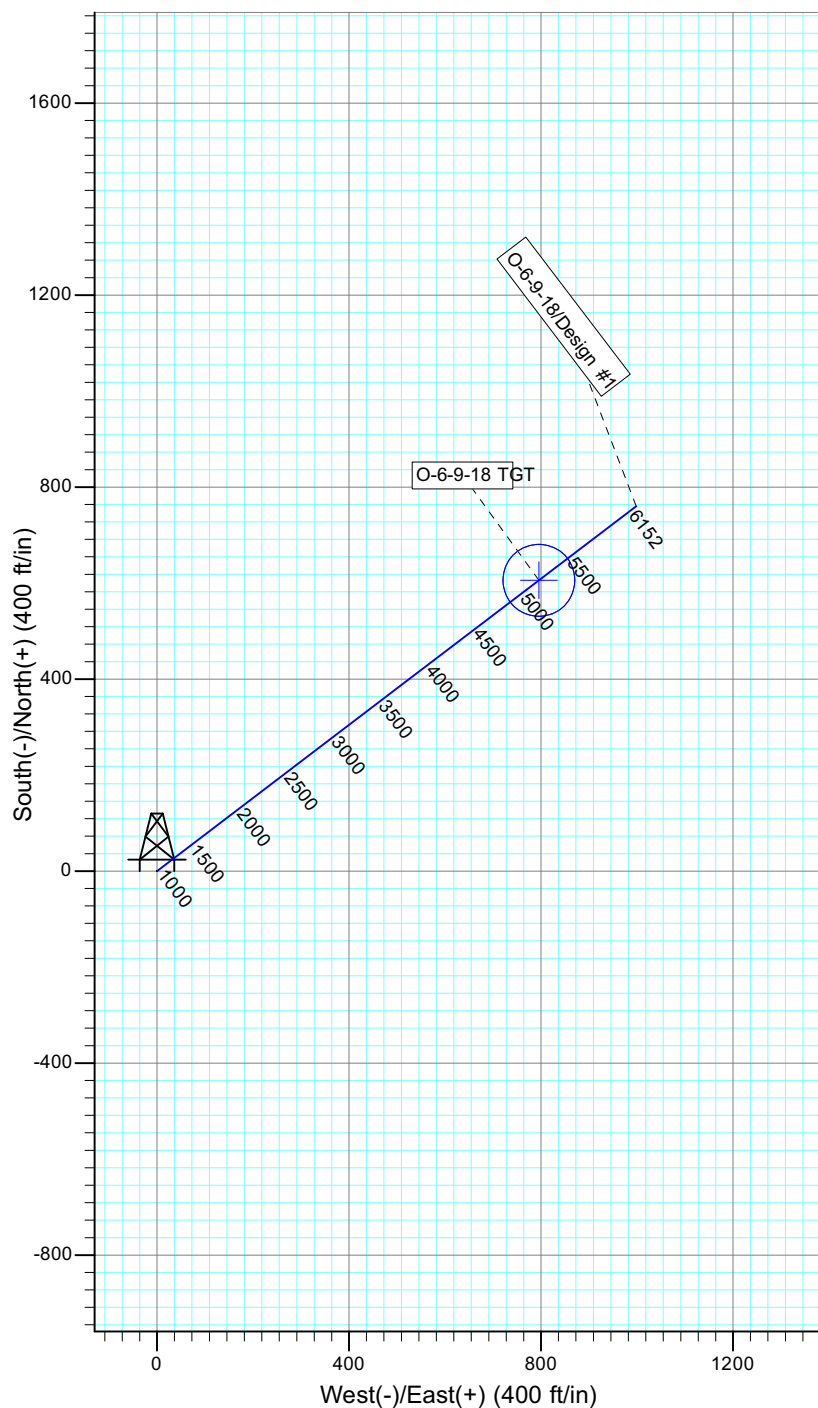
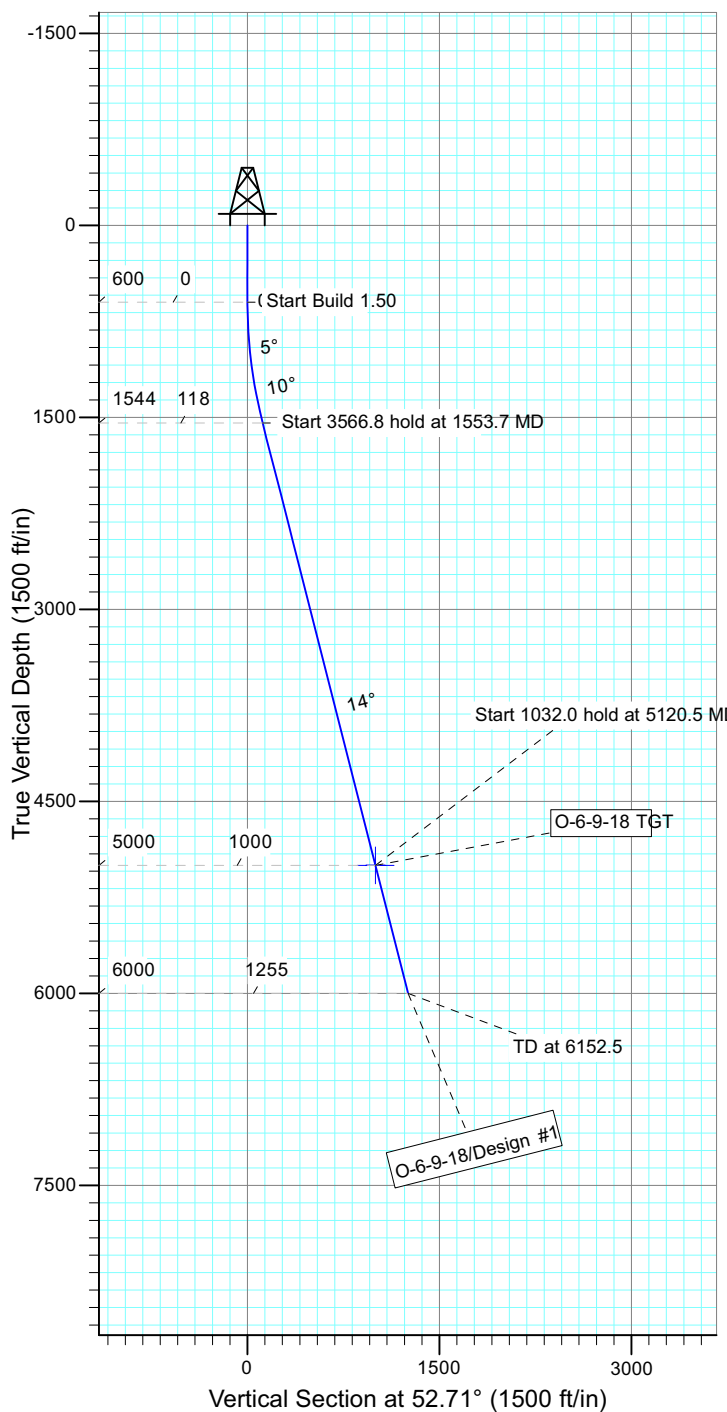


Project: USGS Myton SW (UT)
 Site: SECTION 1 T9S, 17E
 Well: O-6-9-18
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.01°

Magnetic Field
 Strength: 52100.3snT
 Dip Angle: 65.78°
 Date: 6/12/2013
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
O-6-9-18 TGT	5000.0	605.7	795.4	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1553.7	14.31	52.71	1543.8	71.8	94.2	1.50	52.71	118.4	
4	5120.5	14.31	52.71	5000.0	605.7	795.4	0.00	0.00	999.8	O-6-9-18 TGT
5	6152.5	14.31	52.71	6000.0	760.2	998.3	0.00	0.00	1254.8	

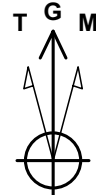


Received: July 24, 2013

API Well Number: 43047539080000

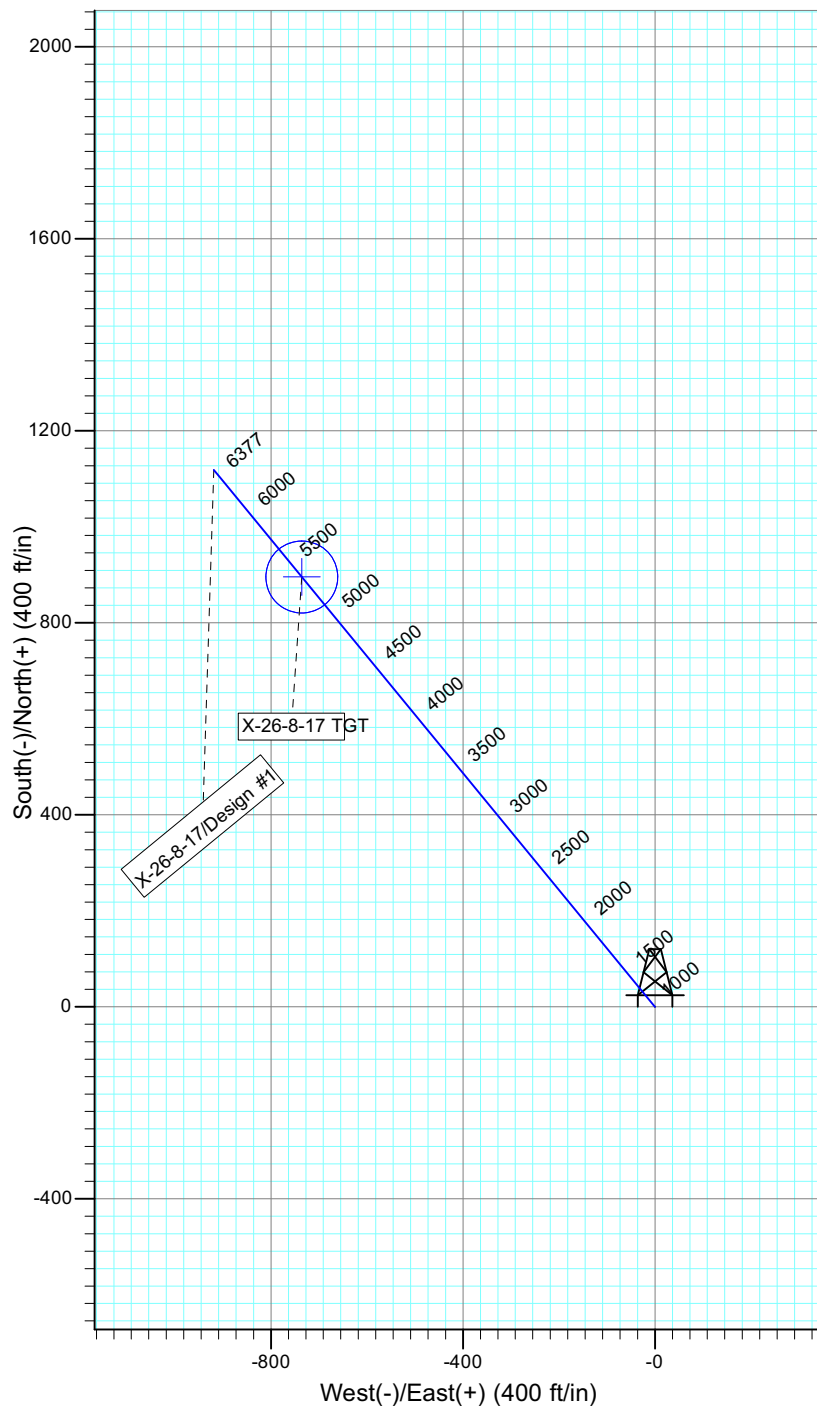
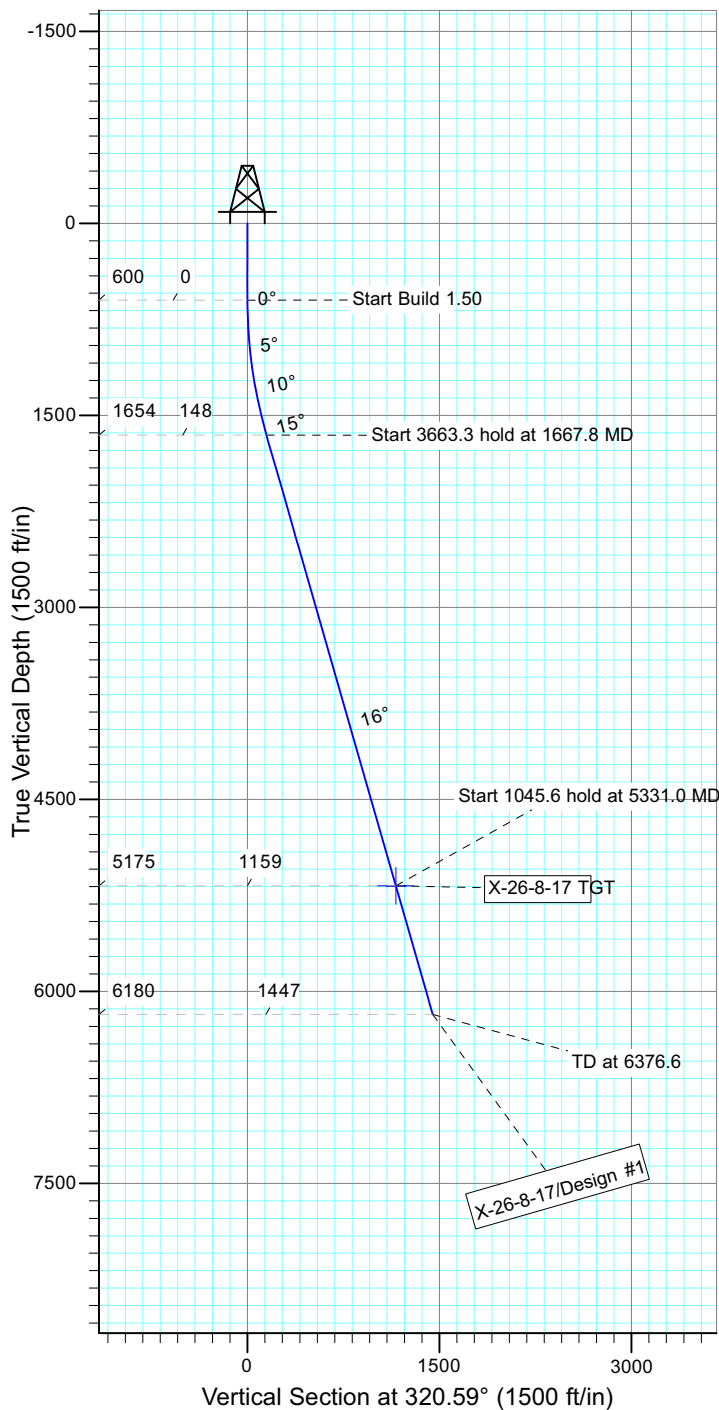


Project: USGS Myton SW (UT)
 Site: SECTION 35 T8, R17
 Well: X-26-8-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to Grid North
 True North: -0.98°
 Magnetic North: 10.05°

Magnetic Field
 Strength: 52107.9snT
 Dip Angle: 65.79°
 Date: 6/12/2013
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
X-26-8-17 TGT	5175.0	895.5	-735.8	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1667.8	16.02	320.59	1653.9	114.6	-94.1	1.50	320.59	148.3	
4	5331.0	16.02	320.59	5175.0	895.5	-735.8	0.00	0.00	1159.0	X-26-8-17 TGT
5	6376.6	16.02	320.59	6180.0	1118.4	-919.0	0.00	0.00	1447.5	

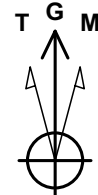


Received: July 24, 2013

API Well Number: 43047539080000

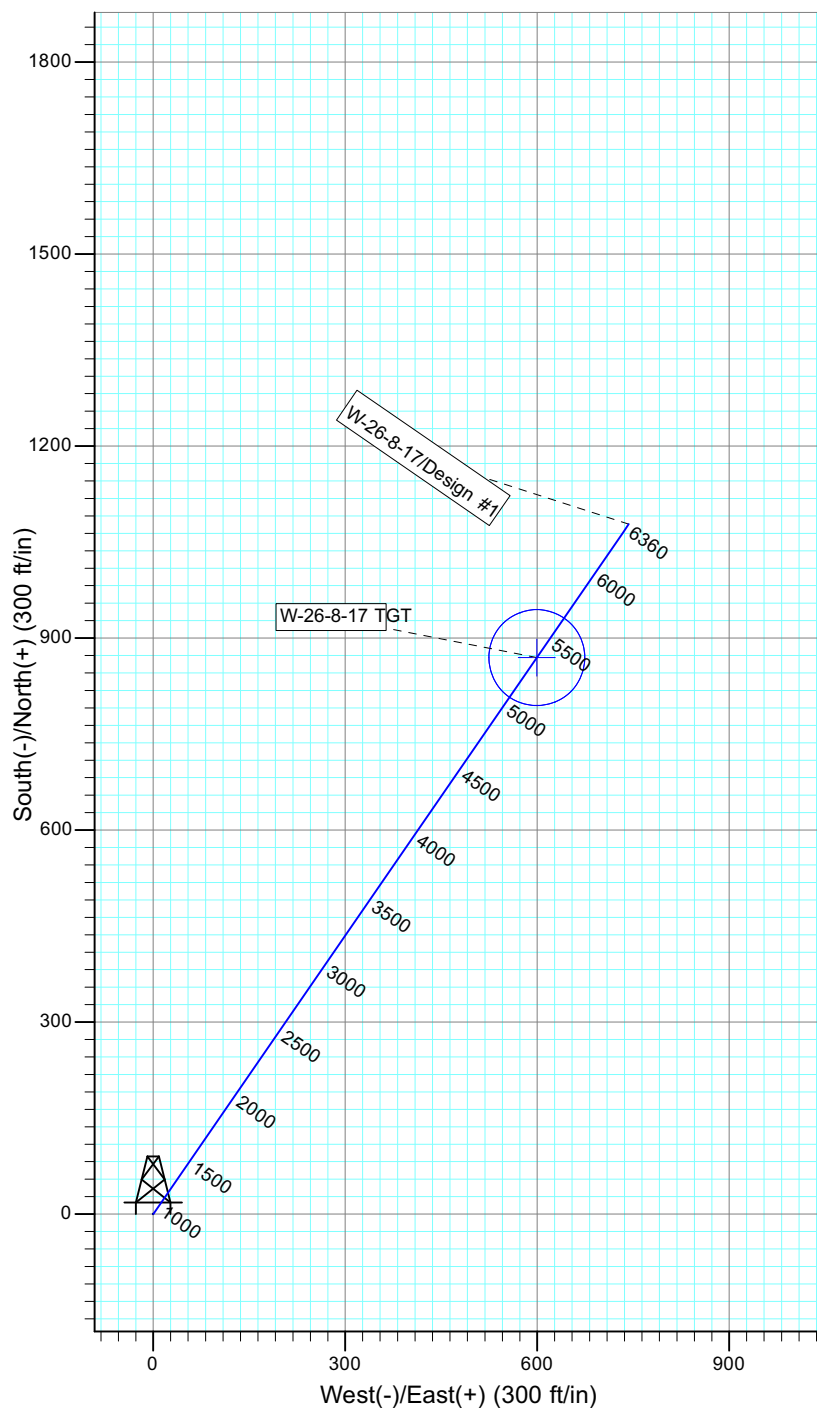
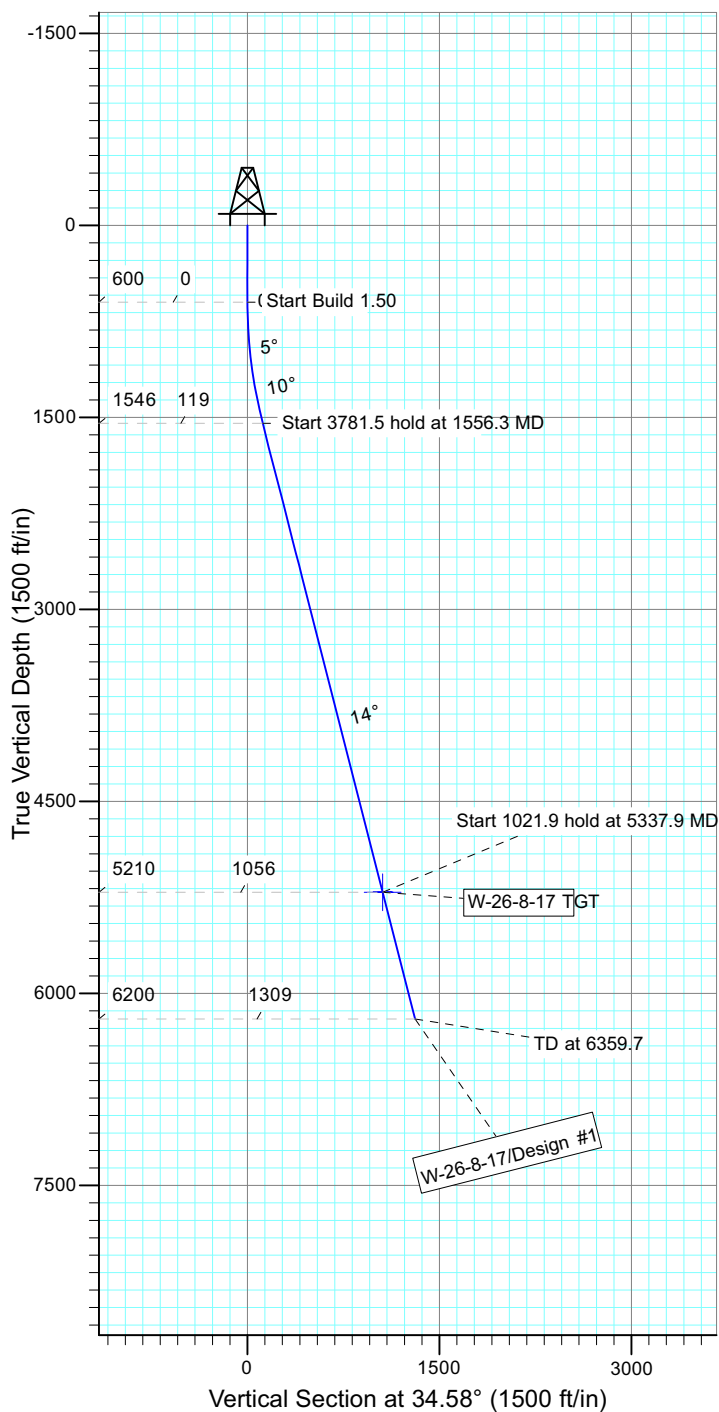


Project: USGS Myton SW (UT)
 Site: SECTION 35 T8, R17
 Well: W-26-8-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to Grid North
 True North: -0.98°
 Magnetic North: 10.05°

Magnetic Field
 Strength: 52107.9snT
 Dip Angle: 65.79°
 Date: 6/12/2013
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
W-26-8-17 TGT	5210.0	869.5	599.3	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1556.3	14.34	34.58	1546.4	98.1	67.6	1.50	34.58	119.1	
4	5337.9	14.34	34.58	5210.0	869.5	599.3	0.00	0.00	1056.0	W-26-8-17 TGT
5	6359.7	14.34	34.58	6200.0	1077.9	743.0	0.00	0.00	1309.2	



Received: July 24, 2013

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 7/24/2013

API NO. ASSIGNED: 43047539080000

WELL NAME: GMBU L-1-9-17

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 646-4936

CONTACT: Heather Calder

PROPOSED LOCATION: NESE 01 090S 170E

Permit Tech Review: ☒

SURFACE: 1859 FSL 0898 FEL

Engineering Review: ☐

BOTTOM: 2498 FNL 1484 FEL

Geology Review: ☒

COUNTY: UINTAH

LATITUDE: 40.05776

LONGITUDE: -109.94875

UTM SURF EASTINGS: 589660.00

NORTHINGS: 4434698.00

FIELD NAME: EIGHT MILE FLAT

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-79014

PROPOSED PRODUCING FORMATION(S): GREEN RIVER

SURFACE OWNER: 1 - Federal

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- ☒ PLAT
- ☒ Bond: FEDERAL - WYB000493
- ☐ Potash
- ☐ Oil Shale 190-5
- ☐ Oil Shale 190-3
- ☐ Oil Shale 190-13
- ☒ Water Permit: 437478
- ☐ RDCC Review:
- ☐ Fee Surface Agreement
- ☐ Intent to Commingle

Commingling Approved

LOCATION AND SITING:

- ☐ R649-2-3.
- Unit: GMBU (GRRV)
- ☐ R649-3-2. General
- ☐ R649-3-3. Exception
- ☒ Drilling Unit
- Board Cause No: Cause 213-11
- Effective Date: 11/30/2009
- Siting: Suspends General Siting
- ☒ R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 4 - Federal Approval - dmason
15 - Directional - dmason
27 - Other - bhill

RECEIVED: July 31, 2013



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: GMBU L-1-9-17
API Well Number: 43047539080000
Lease Number: UTU-79014
Surface Owner: FEDERAL
Approval Date: 7/31/2013

Issued to:

NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Production casing cement shall be brought up to or above the top of the unitized interval for the Greater Monument Butte Unit (Cause No. 213-11).

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
at <http://oilgas.ogm.utah.gov>

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

A handwritten signature in black ink, appearing to read "John Rogers", written over a horizontal line.

For John Rogers
Associate Director, Oil & Gas

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JUL 25 2013

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER

BLM

5. Lease Serial No.
UTU79014

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.
UTU87538X8. Lease Name and Well No.
GMBU L-1-9-17

9. API Well No.

4304753908

10. Field and Pool, or Exploratory
MONUMENT BUTTE

11. Sec., T., R., M., or Blk. and Survey or Area

Sec 1 T9S R17E Mer SLB
SME: BLM12. County or Parish
UINTAH13. State
UT17. Spacing Unit dedicated to this well
20.00

20. BLM/BIA Bond No. on file

WYB000493

23. Estimated duration
7 DAYS

RECEIVED

JAN 3 2014

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

DIV. OF OIL, GAS & MINING

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature
(Electronic Submission)Name (Printed/Typed)
HEATHER CALDER Ph: 435-646-4936Date
07/25/2013Title
PRODUCTION TECHNICIAN

Approved by (Signature)

Name (Printed/Typed)

Jerry Kenczka

DEC 23 2013

Title
Assistant Field Manager
Lands & Mineral Resources

Office

VERNAL FIELD OFFICE

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

Electronic Submission #214851 verified by the BLM Well Information System
For NEWFIELD EXPLORATION COMPANY, sent to the Vernal
Committed to AFMSS for processing by JOHNETTA MAGEE on 07/26/2013 (13JM0486AE)

NOTICE OF APPROVAL

UDOGM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

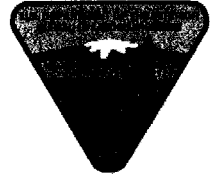


UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Newfield Production Company
Well No: GMBU L-1-9-17
API No: 43-047-53908

Location: NESE, Sec. 1, T9S, R17E
Lease No: UTU-79014
Agreement:

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: blm ut vn opreport@blm.gov
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

STANDARD STIPULATIONS

Minerals and Paleontology

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

Green River District Reclamation Guidelines

The Operator will comply with the requirements of the ***Green River District (GRD) Reclamation Guidelines*** formalized by Green River District Instructional Memo UTG000-2011-003 on March 28, 2011. Documentation of the compliance will be as follows:

- The operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) that designates the proposed site-specific monitoring and reference sites chosen for the location. A description of the proposed sites shall be included, as well as a map showing the locations of the proposed sites.
- The operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) 3 growing seasons after reclamation efforts have occurred evaluating the status of the reclaimed areas in order to determine whether the BLM standards set forth in the GRD Reclamation Guidelines have been met (30% or greater basal cover).
- Prior to beginning new surface disturbance, the operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) providing the results of the noxious weed inventory described in the GRD Reclamation Guidelines (2011). If weeds are found the report shall include 1) A GPS location recorded in North American Datum 1983; 2) species; 3) canopy cover or number of plants;

4) and size of infestation (estimate square feet or acres. Information shall be also documented in the reclamation report.

CONDITIONS OF APPROVAL

Threatened, Endangered and BLM Sensitive Plants

- *No Sclerocactus sp. individuals will be located within the survey buffer distances set out in the section of the biological assessment entitled Preliminary Threatened and Endangered Plant Survey.*
- *Additional Measures** intended to reduce the environmental impact found within the October 2011 Biological Assessment.*

**** Applicant-Committed Environmental Protection Measures**

The following applicant-committed environmental protection measures (ACEPMs) would be applied to all 20-acre Infill Development activities on BLM lands.

- *Newfield would apply water or other BLM-approved dust suppression at construction sites and on roads, as necessary, to abate fugitive dust.*
- *Well site telemetry would be utilized as feasible for production operations.*
- *Removal and disturbance of vegetation would be kept to a minimum through construction site management (e.g., using previously disturbed areas and existing easements where feasible, placing pipelines adjacent to roads, limiting well pad expansion, etc.). In addition, all areas not utilized for the operational phase of the project would be reclaimed.*
- *In an effort to ensure that project activities do not increase the existence of invasive or noxious weeds in Area 5 Project Area, Newfield would prepare a Weed Control Plan. Specific pieces of the plan would include:*
 - *Preparation of a Pesticide Use Proposal.*
 - *Following the construction phase and drilling phase for each well, all disturbed surface would be monitored annually for the presence of noxious weeds. If monitoring shows increases in the presence of noxious weeds, Newfield would be responsible for treating these areas. Noxious plant control measures (mechanical, cultural, chemical) would be conducted before seed set. Monitoring and treatment would be conducted annually until reclamation and weed ratification was deemed successful by the BLM.*
- *Areas used for soil storage would be stripped of topsoil before soil placement.*
- *Appropriate erosion control and re-vegetation measures would be employed. In areas with unstable soils where seeding alone may not adequately control erosion, grading would be used to minimize slopes and rip rap or water bars would be installed on disturbed slopes. Erosion control efforts would be monitored by Newfield and, if necessary, modifications would be made to control erosion.*
- *Newfield would inform their employees, contractors, and subcontractors of the potential impacts that can result from accidental spills, as well as the appropriate actions to take if a spill occurs.*
- *Newly constructed pipelines would be pressure tested to evaluate structural soundness and reduce the potential for leaks.*
- *Newfield would provide portable sanitation facilities at drill sites, place trash cages at each construction site to collect and store garbage and refuse, and ensure that all garbage and refuse is transported to a State-approved sanitary landfill for disposal.*

Discovery Stipulation: Re-initiation of Section 7 consultation with the USFWS will be sought immediately if any loss of plants or occupied habitat for Pariette cactus or Uinta Basin hookless cactus is anticipated as a result of project activities.

Wildlife

In accordance with the Record of Decision for the Castle Peak and Eightmile Flat Oil and Gas Expansion Project, Newfield Rocky Mountains Inc., the following COA's are required:

- WFM-1 On level or gently sloping ground (5 percent slope or less) Newfield will elevate surface pipelines (4 inches or greater in diameter) a minimum of 6 inches above the ground to allow passage of small animals beneath the pipe. This ground clearance will be achieved by placing the pipeline on blocks at intervals of 150 to 200 feet.
- WFM-4 Newfield will install noise reduction devices on all pump jacks to reduce intermittent noise to 45 dBA at 660 feet from the source.

COA's derived from mitigating measures in the EA:

If construction and drilling is anticipated during any of the following wildlife seasonal spatial restrictions, a BLM biologist or a qualified consulting firm biologist must conduct applicable surveys using an accepted protocol prior to any ground disturbing activities.

- If it is anticipated that construction or drilling will occur during Mountain plover nesting season (May 1 – June 15), a BLM biologist will be notified to determine if surveys are necessary prior to beginning operations. If surveys are deemed necessary, depending on the results permission to proceed may or may not, be granted by the BLM Authorized Officer.
- The proposed project is within 1/4 mile of a borrowing owl nest(s). If construction or drilling is proposed from March 1-August 31 then a nest survey will be conducted by a qualified biologist. If the nest is found to be inactive, then permission to proceed may be granted by the BLM Authorized Officer. If the nest is determined to be active, then the timing restriction will remain in effect.

For protection of T&E Fish if drawing water from the Green River

- The best method to avoid entrainment is to pump from an off-channel location – one that does not connect to the river during high spring flows. An infiltration gallery constructed in a service approved location is best.
- If the pump head is located in the river channel the following stipulations apply:
 1. Do not situate the pump in a low-flow or no-flow area as these habitats tend to concentrate larval fishes.
 2. Limit the amount of pumping, to the greatest extent possible, during that period of the year when larval fish may be present (April 1 to August 1).
 3. Limit the amount of pumping, to the greatest extent possible, during the midnight hours (10pm to 2 am), as larval drift studies indicate that this is a period of greatest daily activity. Dusk is the preferred pumping time, as larval drift abundance is lowest during this time.
- Screen all pump intakes with 3/32" mesh material.

- Approach velocities for intake structures should follow the National Marine Fisheries Service's document "fish screening criteria for anadromous salmonids". For projects with an in-stream intake that operate in stream reaches where larval fish may be present, the approach velocity should not exceed 0.33 feet per second (ft/s).
- Report any fish impinged on the intake screen or entrained into irrigation canals to the service (801.975.3330) or the Utah Division of Wildlife Resources:

Northeastern Region
318 North Vernal Ave, Vernal, UT 84078
Phone: (435)781-9453

Air Quality

- All internal combustion equipment will be kept in good working order.
- Water or other approved dust suppressants will be used at construction sites and along roads, as determined appropriate by the Authorized Officer. Dust suppressant such as magnesium chloride or fresh water may be used, as needed, during the drilling phase.
- Open burning of garbage or refuse will not occur at well sites or other facilities.
- Drill rigs will be equipped with Tier II or better diesel engines.
- Low bleed pneumatics will be installed on separator dump valves and other controllers.
- During completion, no venting will occur, and flaring will be limited as much as possible. Production equipment and gathering lines will be installed as soon as possible.
- Telemetry will be installed to remotely monitor and control production.
- When feasible, two or more rigs (including drilling and completion rigs) will not be run simultaneously within 200 meters of each other. If two or more rigs must be run simultaneously within 200 meters of each other, then effective public health buffer zones out to 200 meters (m) from the nearest emission source will be implemented. Examples of an effective public health protection buffer zone include the demarcation of a public access exclusion zone by signage at intervals of every 250 feet that is visible from a distance of 125 feet during daylight hours, and a physical buffer such as active surveillance to ensure the property is not accessible by the public during drilling operations. Alternatively, the proponent may demonstrate compliance with the 1-hour NO₂ National Ambient Air Quality Standards (NAAQS) with appropriate and accepted near-field modeling. As part of this demonstration, the proponent may propose alternative mitigation that could include but is not limited to natural gas-fired drill rigs, installation of NO_x controls, time/use restrictions, and/or drill rig spacing.
- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horse power must not emit more than 2 grams of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower-hour.
- All new and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 grams of NO_x per horsepower-hour.
- Green completions will be used for all well completion activities where technically feasible.
- Employ enhanced VOC emission controls with 95% control efficiency on production equipment having a potential to emit greater than 5 tons per year.

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

Well specific down-hole COA's:

- If applicable, Variances to OO2, Section III.E shall be granted as requested regarding the air drilling program for the surface hole.
- Newfield Production Co. shall comply with all applicable requirements in the SOP (version: "Greater Monument Butte Green River Development Program", June 24, 2008). The operator shall also comply with applicable laws and regulations; with lease terms, Onshore Oil and Gas Orders, NTL's and with other orders and instructions of the authorized officer.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well by CD (compact disc). This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid,

and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-79014
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		8. WELL NAME and NUMBER: GMBU L-1-9-17
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1859 FSL 0898 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 01 Township: 09.0S Range: 17.0E Meridian: S		9. API NUMBER: 43047539080000
9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH		COUNTY: UINTAH
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/31/2014	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER:
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 Newfield proposes to extend the Application for Permit to Drill this well.

Approved by the
 July 14, 2014
 Oil, Gas and Mining

Date: _____

By:

NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A	DATE 7/10/2014	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047539080000

API: 43047539080000

Well Name: GMBU L-1-9-17

Location: 1859 FSL 0898 FEL QTR NESE SEC 01 TWP 090S RNG 170E MER S

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 7/31/2013

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☒ Yes ☐ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Mandie Crozier

Date: 7/10/2014

Title: Regulatory Tech Representing: NEWFIELD PRODUCTION COMPANY

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-79014
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: GMBU L-1-9-17
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1859 FSL 0898 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 01 Township: 09.0S Range: 17.0E Meridian: S		9. API NUMBER: 43047539080000
9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH		COUNTY: UINTAH
STATE: UTAH		
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 10/29/2014	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE WELL NAME	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. On 10/29/14 Drill and set 9' of 14" conductor. Drill f/9' to 331' KB of 12 1/4" hole. P/U and run 7 joints of 8 5/8" casing set depth 321'KB. On 10/31/2014 cement with Halliburton w/155 sx of 15.8# 1.19 yield G Neat cement. Returned 6 bbls to surface and bumped plug to 621 psi.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY November 04, 2014		
NAME (PLEASE PRINT) Cherei Neilson	PHONE NUMBER 435 646-4883	TITLE Drilling Technician
SIGNATURE N/A	DATE 11/4/2014	

NEWFIELD**Casing****Conductor**

Legal Well Name GMBU L-1-9-17		Wellbore Name Original Hole	
API/UWI 43047539080000	Surface Legal Location NESE 1859 FSL 898 FEL Sec 1 T9S R17E	Field Name GMBU CTB8	Well Type Development
Well RC 500367880	County Uintah	State/Province Utah	Spud Date
		Final Rig Release Date	

Wellbore					
Wellbore Name Original Hole				Kick Off Depth (ftKB)	
Section Des	Size (in)	Actual Top Depth (MD) (ftKB)	Actual Bottom Depth (MD) (ftKB)	Start Date	End Date
Conductor	14	11	20	10/29/2014	10/29/2014

Wellhead			
Type	Install Date	Service	Comment

Wellhead Components				
Des	Make	Model	SN	WP Top (psi)

Casing			
Casing Description Conductor	Set Depth (ftKB) 20	Run Date 10/29/2014	Set Tension (kips)
Centralizers	Scratchers		

Casing Components												
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	Mk-up Tq (ft-lb)	Class	Max OD (in)
Conductor	14	13.500	36.75	H-40	Welded	1	9.00	11.0	20.0			

Jewelry Details							
External Casing Packer							
Type	Setting Requirement	Release Requirements			Inflation Method	Vol Inflation (gal)	Equiv Hole Sz (in)
Inflation Fluid Type	Infl FI Dens (lb/gal)	P AV Set (psi)	AV Acting Pressure (psi)	P ICV Set (psi)	P ICV Act (psi)	ECP Load (1000lbf)	Seal Load (1000lbf)

Slotted Liner							
% Open Area (%)	Perforation Min Dimension (in)	Perforation Max Dimension (in)	Axial Perf Spacing (ft)	Perf Rows	Blank Top Length (ft)	Blank Bottom Length (ft)	
Slot Description	Slot Pattern			Slot Length (in)	Slot Width (in)	Slot Frequency	Screen Gauge (ga)

Liner Hanger				
Retrievable?	Elastomer Type	Element Center Depth (ft)	Polish Bore Size (in)	Polish Bore Length (ft)
Slip Description			Set Mechanics	

Setting Procedure				
Unsetting Procedure				

NEWFIELD**Casing****Surface**

Legal Well Name GMBU L-1-9-17		Wellbore Name Original Hole	
API/UWI 43047539080000	Surface Legal Location NESE 1859 FSL 898 FEL Sec 1 T9S R17E	Field Name GMBU CTB8	Well Type Development
Well RC 500367880	County Uintah	State/Province Utah	Spud Date
		Final Rig Release Date	

Wellbore					
Wellbore Name Original Hole				Kick Off Depth (ftKB)	
Section Des	Size (in)	Actual Top Depth (MD) (ftKB)	Actual Bottom Depth (MD) (ftKB)	Start Date	End Date
Conductor	14	11	20	10/29/2014	10/29/2014
Vertical	12 1/4	20	331	10/29/2014	10/29/2014

Wellhead				
Type	Install Date	Service	Comment	

Wellhead Components				
Des	Make	Model	SN	WP Top (psi)

Casing				
Casing Description Surface	Set Depth (ftKB)	Run Date	Set Tension (kips)	
	321	10/29/2014		
Centralizers 3	Scratchers			

Casing Components												
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	Mk-up Tq (ft-lb)	Class	Max OD (in)
Wellhead	8 5/8	8.097	24.00	J-55	ST&C	1	2.00	10.6	12.6			
Cut Off	8 5/8	8.097	24.00	J-55	ST&C	1	42.05	12.6	54.6			
Casing Joints	8 5/8	8.097	24.00	J-55	ST&C	5	219.85	54.6	274.5			
Float Collar	8 5/8	8.097	24.00	J-55	ST&C	1	1.00	274.5	275.5			
Shoe Joint	8 5/8	8.097	24.00	J-55	ST&C	1	44.05	275.5	319.5			
Guide Shoe	8 5/8	8.097	24.00	J-55	ST&C	1	1.50	319.5	321.0			

Jewelry Details									
External Casing Packer									
Type	Setting Requirement	Release Requirements			Inflation Method	Vol Inflation (gal)	Equiv Hole Sz (in)		
Inflation Fluid Type	Infl FI Dens (lb/gal)	P AV Set (psi)	AV Acting Pressure (psi)	P ICV Set (psi)	P ICV Act (psi)	ECP Load (1000lbf)	Seal Load (1000lbf)		

Slotted Liner							
% Open Area (%)	Perforation Min Dimension (in)	Perforation Max Dimension (in)	Axial Perf Spacing (ft)	Perf Rows	Blank Top Length (ft)	Blank Bottom Length (ft)	
Slot Description	Slot Pattern			Slot Length (in)	Slot Width (in)	Slot Frequency	Screen Gauge (ga)

Liner Hanger				
Retrievable?	Elastomer Type	Element Center Depth (ft)	Polish Bore Size (in)	Polish Bore Length (ft)
Slip Description			Set Mechanics	

Setting Procedure				
Unsetting Procedure				

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 29 Submitted By
Branden Arnold Phone Number 435-401-0223
Well Name/Number GMBU L-1-9-17
Qtr/Qtr NE/SE Section 1 Township 9S Range 17E
Lease Serial Number UTU-79014
API Number 43-047-53908

Spud Notice – Spud is the initial spudding of the well, not drilling
out below a casing string.

Date/Time 10/29/14 8:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing
times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 10/29/14 3:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks _____

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 29 Submitted By
Branden Arnold Phone Number 435-401-0223
Well Name/Number GMBU L-1-9-17
Qtr/Qtr NE/SE Section 1 Township 9S Range 17E
Lease Serial Number UTU-79014
API Number 43-047-53908

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Date/Time 10/29/14 8:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing
times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 10/29/14 3:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks _____

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# NDSI SS #1

Submitted By Ryan Crum Phone Number 823-7065

Well Name/Number GMBU L-1-9-17

Qtr/Qtr NE/SE Section 1 Township 9S Range 17E

Lease Serial Number UTU-79014

API Number 43-013-53908

047

TD Notice – TD is the final drilling depth of hole.

Date/Time 11/11/14

7:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☒ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 11/11/14

5:00 AM ☒ PM ☐

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-79014
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
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3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: GMBU L-1-9-17
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1859 FSL 0898 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 01 Township: 09.0S Range: 17.0E Meridian: S		9. API NUMBER: 43047539080000
9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH		COUNTY: Uintah
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 12/8/2014	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 The above well was placed on production on 12/08/2014 at 17:00 hours.

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 December 17, 2014

NAME (PLEASE PRINT) Jennifer Peatross	PHONE NUMBER 435 646-4885	TITLE Production Technician
SIGNATURE N/A	DATE 12/11/2014	

Form 3160-4
(March 2012)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: October 31, 2014

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other: _____						5. Lease Serial No. UTU79014			
						6. If Indian, Allottee or Tribe Name			
2. Name of Operator NEWFIELD PRODUCTION COMPANY						7. Unit or CA Agreement Name and No. UTU87538X			
3. Address ROUTE #3 BOX 3630 MYTON, UT 84052				3a. Phone No. (include area code) Ph:435-646-3721		8. Lease Name and Well No. GMBU L-1-9-17			
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 1859' FSL 898' FEL (NE/SE) SEC 1 T9S R17E (UTU-79014) At top prod. interval reported below 2481' FSL 1288' FEL (NE/SE) SEC 1 T9S R17E (UTU-79014) At total depth 2476' FNL 1493' FEL (NW/NE) SEC 1 T9S R17E (UTU-79014)						9. API Well No. 43-047-53908			
						10. Field and Pool or Exploratory MONUMENT BUTTE			
						11. Sec., T., R., M., on Block and Survey or Area SEC 1 T9S R17E Mer SLB			
						12. County or Parish UINTAH			
						13. State UT			
						17. Elevations (DF, RKB, RT, GL)* 5023' GL 5034' KB			
14. Date Spudded 10/29/2014		15. Date T.D. Reached 11/12/2014		16. Date Completed 12/04/2014 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.					
18. Total Depth: MD 6204' TVD 6086'		19. Plug Back T.D.: MD 6137' TVD		20. Depth Bridge Plug Set: MD TVD					
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) DUAL IND GRD, SP, COMP. NEUTRON, GR, CALIPER, CMT BOND				22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)					
23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24	0'	321'		155 CLASS G			
7-7/8"	5-1/2" J-55	15.50	0'	6183'		260 Econocem		62'	
						470Expandacem			
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2-7/8"	EOT@6004'	TA@5867'							
25. Producing Intervals									
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) Green River	4354'	5970'	4354' - 5970' MD	0.34	50				
B)									
C)									
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval			Amount and Type of Material						
4354' - 5970' MD			Frac w/ 148,705#s of 20/40 white sand in 1,579 bbls of Lightning 17 fluid, in 3 stages.						
28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/5/14	12/15/14	24	→	113	8	31			2.5 x 1.75 x 20 x 21 x 22 RHAC
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	
28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers
GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Mcas. Depth
				GARDEN GULCH MARK GARDEN GULCH 1	3813' 3992'
				GARDEN GULCH 2 POINT 3	4108' 4373'
				X MRKR Y MRKR	4616' 4656'
				DOUGLAS CREEK MRK BI CARBONATE MRK	4794' 5032'
				B LIMESTONE MRK CASTLE PEAK	5165' 5621'
				BASAL CARBONATE WASATCH	6049' 6169'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☒ Other: Drilling daily activity

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Heather CalderTitle Regulatory TechnicianSignature Heather CalderDate 12/14/2014

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)



NEWFIELD EXPLORATION

USGS Myton SW (UT)

SECTION 1 T9S, 17E

L-1-9-17

Wellbore #1

Design: Actual

End of Well Report

12 November, 2014





Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
 Project: USGS Myton SW (UT)
 Site: SECTION 1 T9S, 17E
 Well: L-1-9-17
 Wellbore: Wellbore #1
 Design: Actual

Local Co-ordinate Reference: Well L-1-9-17
 TVD Reference: L-1-9-17 @ 5034.0usft (SS # 1)
 MD Reference: L-1-9-17 @ 5034.0usft (SS # 1)
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.1 Single User Db

Project USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA

Map System: US State Plane 1983
 Geo Datum: North American Datum 1983
 Map Zone: Utah Central Zone

System Datum: Mean Sea Level

Site SECTION 1 T9S, 17E

Site Position:		Northing:	7,193,565.95 usft	Latitude:	40° 3' 28.710 N
From:	Lat/Long	Easting:	2,072,254.87 usft	Longitude:	109° 57' 25.530 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.99 °

Well L-1-9-17, SHL: 40 03 27.99 -109 56 55.41

Well Position	+N-S	0.0 usft	Northing:	7,193,533.60 usft	Latitude:	40° 3' 27.990 N
	+E-W	0.0 usft	Easting:	2,074,597.61 usft	Longitude:	109° 56' 55.410 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	5,034.0 usft	Ground Level:	5,023.0 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	11/3/2014	10.83	65.74	51,962

Design Actual

Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth:
Vertical Section:		Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)
		0.0	0.0	0.0
				Direction (°)
				327.91

Survey Program Date 11/12/2014

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
379.0	8,204.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard



Payzone Directional

End of Well Report



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 MD Reference: L-1-9-17 @ 5034.0usft (SS # 1)
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
379.0	1.49	321.44	379.0	4.9	3.9	-3.1	0.39	0.39	0.00
409.0	1.71	316.56	408.9	5.7	4.5	-3.6	0.86	0.73	-16.27
440.0	1.85	316.60	439.9	6.7	5.2	-4.3	0.45	0.45	0.13
471.0	1.93	321.13	470.9	7.7	6.0	-5.0	0.55	0.26	14.61
502.0	1.89	320.07	501.9	8.7	6.8	-5.6	0.17	-0.13	-3.42
532.0	1.85	326.93	531.9	9.7	7.5	-6.2	0.76	-0.13	22.87
563.0	1.76	328.42	562.9	10.7	8.4	-6.7	0.33	-0.29	4.81
594.0	1.93	328.07	593.8	11.6	9.2	-7.2	0.55	0.55	-1.13
625.0	1.93	327.50	624.8	12.7	10.1	-7.8	0.06	0.00	-1.84
655.0	1.93	325.70	654.8	13.7	10.9	-8.4	0.20	0.00	-6.00
686.0	1.98	321.00	685.8	14.8	11.8	-9.0	0.54	0.16	-15.16
717.0	2.02	325.00	716.8	15.8	12.6	-9.6	0.47	0.13	12.90
748.0	2.33	327.10	747.8	17.0	13.6	-10.3	1.03	1.00	6.77
778.0	2.55	334.66	777.7	18.3	14.7	-10.9	1.30	0.73	25.20
809.0	2.86	340.95	808.7	19.7	16.1	-11.5	1.38	1.00	20.29
840.0	3.03	346.62	839.7	21.2	17.6	-11.9	1.09	0.55	18.29
871.0	3.21	345.65	870.6	22.9	19.3	-12.3	0.61	0.58	-3.13
901.0	3.65	342.97	900.6	24.6	21.0	-12.8	1.56	1.47	-8.93
932.0	4.22	338.84	931.5	26.6	23.0	-13.5	2.05	1.84	-13.32
963.0	4.79	337.17	962.4	29.0	25.3	-14.4	1.89	1.84	-5.39
994.0	5.10	335.85	993.3	31.7	27.7	-15.5	1.07	1.00	-4.26
1,024.0	5.58	334.79	1,023.1	34.5	30.2	-16.6	1.63	1.60	-3.53
1,055.0	6.05	333.71	1,054.0	37.6	33.1	-18.0	1.56	1.52	-3.48
1,101.0	6.72	331.28	1,099.7	42.7	37.6	-20.4	1.57	1.46	-5.28
1,147.0	7.47	333.08	1,145.3	48.3	42.6	-23.0	1.70	1.63	3.91
1,192.0	8.35	332.55	1,189.9	54.5	48.1	-25.8	1.96	1.96	-1.18



Payzone Directional

End of Well Report



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 MD Reference: L-1-9-17 @ 5034.0usft (SS # 1)
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
1,238.0	9.01	331.98	1,235.4	61.4	54.3	-29.1	1.45	1.43	-1.24
1,284.0	10.02	332.09	1,280.8	69.0	61.0	-32.6	2.20	2.20	0.24
1,330.0	10.90	330.09	1,326.0	77.4	68.3	-36.7	2.07	1.91	-4.35
1,375.0	11.60	329.35	1,370.1	86.1	75.9	-41.1	1.59	1.56	-1.64
1,421.0	12.30	328.64	1,415.1	95.7	84.0	-46.0	1.55	1.52	-1.54
1,467.0	12.79	328.12	1,460.0	105.6	92.6	-51.3	1.09	1.07	-1.13
1,513.0	12.70	327.98	1,504.9	115.8	101.2	-56.6	0.21	-0.20	-0.30
1,559.0	12.66	325.08	1,549.8	125.9	109.6	-62.2	1.39	-0.09	-6.30
1,605.0	13.01	323.37	1,594.6	136.1	117.9	-68.2	1.12	0.76	-3.72
1,650.0	13.37	322.71	1,638.4	146.3	126.1	-74.3	0.87	0.80	-1.47
1,696.0	13.54	321.66	1,683.2	157.0	134.5	-80.9	0.65	0.37	-2.28
1,740.0	13.18	321.00	1,726.0	167.1	142.5	-87.3	0.89	-0.82	-1.50
1,786.0	13.14	319.59	1,770.8	177.4	150.5	-94.0	0.70	-0.09	-3.07
1,830.0	13.36	319.19	1,813.6	187.4	158.2	-100.5	0.54	0.50	-0.91
1,874.0	13.40	321.17	1,856.4	197.5	166.0	-107.0	1.05	0.09	4.50
1,920.0	13.01	323.15	1,901.2	208.0	174.3	-113.5	1.30	-0.85	4.30
1,965.0	12.35	324.78	1,945.1	217.8	182.3	-119.3	1.67	-1.47	3.62
2,011.0	11.78	326.14	1,990.1	227.4	190.2	-124.7	1.38	-1.24	2.96
2,057.0	12.22	326.40	2,035.1	237.0	198.2	-130.1	0.96	0.96	0.57
2,103.0	12.39	325.83	2,080.0	246.8	206.3	-135.5	0.45	0.37	-1.24
2,148.0	12.39	324.82	2,124.0	256.4	214.2	-141.0	0.48	0.00	-2.24
2,194.0	12.48	325.30	2,168.9	266.3	222.4	-146.7	0.30	0.20	1.04
2,240.0	12.57	325.04	2,213.8	276.3	230.5	-152.4	0.23	0.20	-0.57
2,284.0	12.66	325.92	2,256.7	285.9	238.5	-157.8	0.48	0.20	2.00
2,330.0	12.44	325.79	2,301.6	295.9	246.7	-163.4	0.46	-0.48	-0.28
2,375.0	12.30	323.90	2,346.6	305.5	254.6	-169.0	0.95	-0.31	-4.20
2,421.0	12.44	324.26	2,390.5	315.3	262.6	-174.8	0.35	0.30	0.78



Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
 Project: USGS Myton SW (UT)
 Site: SECTION 1 T9S, 17E
 Well: L-1-9-17
 Wellbore: Wellbore #1
 Design: Actual

Local Co-ordinate Reference: Well L-1-9-17
 TVD Reference: L-1-9-17 @ 5034.0usft (SS # 1)
 MD Reference: L-1-9-17 @ 5034.0usft (SS # 1)
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
2,468.0	13.05	325.39	2,436.4	325.7	271.1	-180.7	1.40	1.30	2.40	
2,511.0	13.40	324.60	2,478.2	335.5	279.1	-186.4	0.92	0.81	-1.84	
2,557.0	13.49	325.43	2,523.0	346.2	287.9	-192.5	0.46	0.20	1.80	
2,602.0	14.26	327.97	2,566.6	357.0	296.9	-198.4	2.18	1.71	5.64	
2,648.0	14.85	329.79	2,611.2	368.5	306.8	-204.4	1.62	1.28	3.96	
2,694.0	14.81	328.82	2,655.6	380.3	316.9	-210.4	0.55	-0.09	-2.11	
2,740.0	14.11	325.65	2,700.2	391.8	326.6	-216.6	2.30	-1.52	-6.89	
2,786.0	12.66	323.37	2,744.9	402.4	335.3	-222.8	3.35	-3.15	-4.96	
2,831.0	11.43	321.57	2,788.9	411.7	342.7	-228.5	2.86	-2.73	-4.00	
2,877.0	10.96	320.16	2,834.1	420.6	349.6	-234.1	1.18	-1.02	-3.07	
2,923.0	10.99	320.34	2,879.2	429.3	356.4	-239.7	0.10	0.07	0.39	
2,969.0	10.99	323.15	2,924.4	438.0	363.3	-245.2	1.16	0.00	6.11	
3,014.0	11.12	325.48	2,968.5	446.6	370.3	-250.2	1.03	0.29	5.18	
3,060.0	12.04	325.17	3,013.6	455.8	377.9	-255.5	2.00	2.00	-0.67	
3,106.0	13.23	329.26	3,058.5	465.9	386.3	-260.9	3.23	2.59	8.89	
3,152.0	12.70	327.90	3,103.3	476.2	395.1	-266.3	1.33	-1.15	-2.96	
3,198.0	11.34	325.39	3,148.3	485.8	403.1	-271.5	3.17	-2.96	-5.46	
3,242.0	11.82	326.40	3,191.4	494.6	410.5	-276.5	1.18	1.09	2.30	
3,287.0	12.48	331.72	3,235.4	504.1	418.6	-281.3	2.89	1.47	11.82	
3,331.0	13.22	333.00	3,278.3	513.8	427.2	-285.9	1.80	1.68	2.91	
3,377.0	13.52	329.90	3,323.1	524.4	436.6	-291.0	1.69	0.65	-6.74	
3,421.0	12.74	326.93	3,365.9	534.4	445.1	-296.2	2.34	-1.77	-6.75	
3,465.0	11.53	327.74	3,408.9	543.7	452.9	-301.2	2.78	-2.75	1.84	
3,510.0	11.29	328.42	3,453.0	552.6	460.4	-305.9	0.61	-0.53	1.51	
3,556.0	11.34	329.26	3,498.1	561.6	468.2	-310.6	0.37	0.11	1.83	
3,602.0	11.69	333.26	3,543.2	570.8	476.2	-315.0	1.89	0.76	8.70	
3,648.0	12.26	334.62	3,588.2	580.3	484.8	-319.1	1.38	1.24	2.96	



Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
 Project: USGS Myton SW (UT)
 Site: SECTION 1 T9S, 17E
 Well: L-1-9-17
 Wellbore: Wellbore #1
 Design: Actual

Local Co-ordinate Reference: Well L-1-9-17
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 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
3,694.0	12.48	332.64	3,633.2	590.1	493.6	-323.5	1.04	0.48	-4.30	
3,738.0	12.00	330.36	3,676.2	599.4	501.8	-328.0	1.55	-1.09	-5.18	
3,783.0	11.16	330.09	3,720.2	608.4	509.6	-332.5	1.87	-1.87	-0.60	
3,829.0	10.52	330.52	3,765.4	617.0	517.2	-336.7	1.40	-1.39	0.93	
3,875.0	10.60	332.00	3,810.6	625.5	524.6	-340.8	0.61	0.17	3.22	
3,921.0	11.07	329.17	3,855.8	634.1	532.1	-345.0	1.54	1.02	-6.15	
3,964.0	11.43	328.82	3,898.0	642.5	539.3	-349.4	0.85	0.84	-0.81	
4,010.0	11.92	330.55	3,943.0	651.8	547.3	-354.1	1.31	1.07	3.76	
4,056.0	12.29	334.16	3,988.0	661.4	555.9	-358.5	1.83	0.80	7.85	
4,102.0	13.05	334.14	4,032.9	671.4	564.9	-362.9	1.65	1.65	-0.04	
4,148.0	13.93	334.53	4,077.6	682.1	574.6	-367.6	1.92	1.91	0.85	
4,193.0	13.54	335.41	4,121.3	692.7	584.3	-372.1	0.98	-0.87	1.96	
4,239.0	13.23	335.85	4,166.1	703.2	594.0	-376.5	0.71	-0.67	0.96	
4,285.0	13.23	334.71	4,210.9	713.7	603.5	-380.9	0.57	0.00	-2.48	
4,331.0	13.23	332.99	4,255.6	724.2	613.0	-385.5	0.86	0.00	-3.74	
4,376.0	13.05	330.88	4,299.5	734.4	622.0	-390.3	1.14	-0.40	-4.69	
4,422.0	13.14	328.64	4,344.3	744.8	631.0	-395.6	1.12	0.20	-4.87	
4,466.0	12.66	328.47	4,387.2	754.6	639.4	-400.7	1.09	-1.09	-0.39	
4,512.0	13.01	330.36	4,432.0	764.8	648.2	-405.9	1.19	0.76	4.11	
4,557.0	13.49	329.74	4,475.8	775.1	657.1	-411.1	1.11	1.07	-1.38	
4,603.0	13.40	327.59	4,520.6	785.8	666.3	-416.6	1.10	-0.20	-4.67	
4,649.0	13.01	327.10	4,565.3	796.3	675.1	-422.3	0.88	-0.85	-1.07	
4,695.0	13.45	327.15	4,610.1	806.8	684.0	-428.0	0.96	0.96	0.11	
4,741.0	13.67	326.62	4,654.8	817.6	693.0	-433.9	0.55	0.48	-1.15	
4,786.0	13.27	327.28	4,698.6	828.1	701.8	-439.6	0.95	-0.89	1.47	
4,832.0	13.05	329.30	4,743.4	838.6	710.7	-445.1	1.11	-0.48	4.39	
4,878.0	13.45	328.82	4,788.2	849.1	719.7	-450.5	0.90	0.87	-1.04	



Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
 Project: USGS Myton SW (UT)
 Site: SECTION 1 T9S, 17E
 Well: L-1-9-17
 Wellbore: Wellbore #1
 Design: Actual

Local Co-ordinate Reference: Well L-1-9-17
 TVD Reference: L-1-9-17 @ 5034.0usft (SS # 1)
 MD Reference: L-1-9-17 @ 5034.0usft (SS # 1)
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
4,924.0	13.40	328.16	4,832.9	859.8	728.8	-458.1	0.35	-0.11	-1.43
4,969.0	12.61	328.20	4,876.8	869.9	737.4	-461.5	1.76	-1.76	0.09
5,015.0	11.91	324.12	4,921.7	879.7	745.6	-466.9	2.42	-1.52	-8.87
5,061.0	11.47	324.91	4,966.8	889.0	753.1	-472.3	1.02	-0.96	1.72
5,107.0	10.77	321.08	5,011.9	897.8	760.2	-477.6	2.21	-1.52	-8.33
5,150.0	10.90	320.42	5,054.1	905.8	766.5	-482.8	0.42	0.30	-1.53
5,196.0	10.71	319.01	5,099.3	914.4	773.1	-488.3	0.71	-0.41	-3.07
5,242.0	10.90	319.37	5,144.5	922.9	779.6	-494.0	0.44	0.41	0.78
5,288.0	11.12	320.73	5,187.7	931.2	786.0	-499.4	0.77	0.50	3.09
5,332.0	11.73	319.81	5,232.8	940.3	793.0	-505.2	1.38	1.33	-2.00
5,375.0	12.74	321.26	5,274.8	949.3	800.1	-511.0	2.45	2.35	3.37
5,421.0	13.67	322.71	5,319.6	959.7	808.4	-517.4	2.15	2.02	3.15
5,465.0	14.06	326.71	5,362.3	970.3	817.0	-523.5	2.35	0.89	9.09
5,511.0	13.54	332.95	5,407.0	981.2	826.4	-529.0	3.43	-1.13	13.57
5,556.0	13.20	337.07	5,450.7	991.5	835.9	-533.4	2.25	-0.76	9.16
5,602.0	11.82	336.03	5,495.7	1,001.4	845.0	-537.4	3.04	-3.00	-2.26
5,646.0	11.03	333.12	5,538.8	1,010.0	852.9	-541.1	2.22	-1.80	-6.61
5,692.0	11.73	332.47	5,583.9	1,019.1	860.9	-545.3	1.55	1.52	-1.41
5,738.0	12.66	333.65	5,628.8	1,028.8	869.6	-549.7	2.09	2.02	2.57
5,784.0	12.48	335.41	5,673.7	1,038.7	878.6	-554.0	0.92	-0.39	3.83
5,828.0	11.47	338.24	5,716.8	1,047.7	887.0	-557.6	2.65	-2.30	6.43
5,874.0	11.16	336.46	5,761.9	1,056.6	895.4	-561.1	1.02	-0.67	-3.87
5,919.0	11.16	332.20	5,806.0	1,065.3	903.2	-564.8	1.83	0.00	-9.47
5,965.0	11.51	331.32	5,851.1	1,074.3	911.2	-569.1	0.85	0.76	-1.91
6,009.0	11.43	330.05	5,894.3	1,083.0	918.8	-573.4	0.60	-0.18	-2.89
6,055.0	11.16	327.15	5,939.4	1,092.0	926.5	-578.1	1.37	-0.59	-6.30
6,101.0	10.81	325.00	5,984.5	1,100.8	933.8	-583.0	1.17	-0.76	-4.67

**Payzone Directional**
End of Well Report

Company: NEWFIELD EXPLORATION
Project: USGS Mylon SW (UT)
Site: SECTION 1 T9S, 17E
Well: L-1-9-17
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well L-1-9-17
TVD Reference: L-1-9-17 @ 5034.0usft (SS # 1)
MD Reference: L-1-9-17 @ 5034.0usft (SS # 1)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
6,145.0	10.99	320.82	6,027.7	1,109.1	940.4	-588.0	1.84	0.41	-9.50
6,204.0	10.99	320.82	6,085.7	1,120.2	949.1	-595.1	0.00	0.00	0.00

Checked By: _____ Approved By: _____ Date: _____

Sundry Number: 59090 API Well Number: 43047539080000

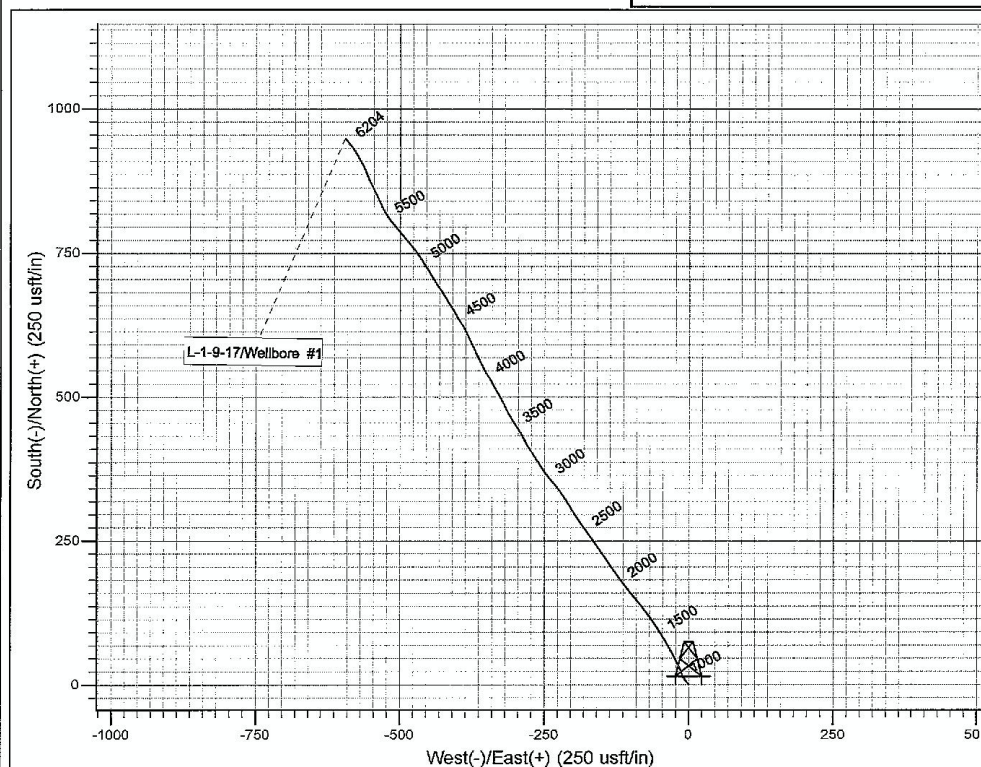
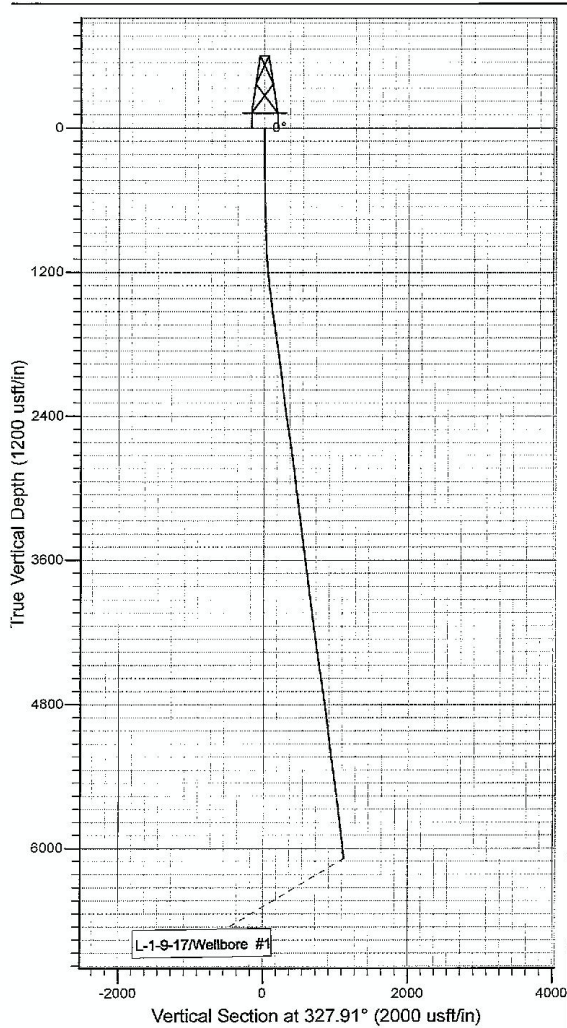


Project: USGS Mylon SW (UT)
Site: SECTION 1 T9S, 17E
Well: L-1-9-17
Wellbore: Wellbore #1
Design: Actual



Azimuths to True North
Magnetic North: 10.84°

Magnetic Field
Strength: 51962.4snT
Dip Angle: 65.74°
Date: 11/3/2014
Model: IGRF2010



Design: Actual (L-1-9-17/Wellbore #1)

Created By: *Matthew Linton* Date: 9:50, November 12

THIS SURVEY IS CORRECT TO THE BEST OF
MY KNOWLEDGE AND IS SUPPORTED
BY ACTUAL FIELD DATA

RECEIVED: Dec. 17, 2014

NEWFIELD



Summary Rig Activity

Well Name: GMBU L-1-9-17

Job Category	Job Start Date	Job End Date

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
11/21/2014	11/22/2014	RU BOP's. RU Perforators. CBL/Perf 1st stage.
Start Time	End Time	Comment
00:00	06:00	Well was shut in.
Start Time	End Time	Comment
06:00	07:00	Held safety meeting. RMT RU FMC 5K frac valve and WCS blind rams. Delsco RU flowback iron.
Start Time	End Time	Comment
07:00	09:00	RU Perforators WLT, crane & pack-off. RIH w/ CBL tool. Log well w/ 0 psi on casing. TD was 6121' w/ Cmt top @ 62'. RD WLT. Moved over to O-6-9-18 (pad wells) for CBL.
Start Time	End Time	Comment
09:00	10:30	RU B&C Quick test. Dead head test unit & test to 5000 psi for 5 min. Test BOP's hydraulic voids to 3000 psi. Test BOP's blind rams, casing & casing valves to 250 low for 5 min, 4300 high for 30 min, Test frac valve & flow back valves to 300 psi low for 5 min, 4300 psi High for 10 min. RD tester.
Start Time	End Time	Comment
10:30	12:00	RU WLT, crane & pack-off. RIH w/ 3-1/8" disposable perf guns (16 gram, .34"EH, 120°, 21" pen) 3 spf. Perferate w/ tti of 12 shots. RD WLT. SIFN w/ 145 bbls EWTR.
Start Time	End Time	Comment
12:00	00:00	Shut in for weekend.
Report Start Date	Report End Date	24hr Activity Summary
11/24/2014	11/25/2014	RU Nabors frac crew. Frac well 2 stages.
Start Time	End Time	Comment
00:00	12:30	Well was shut-in for weekend.
Start Time	End Time	Comment
12:30	15:00	Held safety meeting. RU Nabors frac crew.
Start Time	End Time	Comment
15:00	16:00	Stage #1; CP5 sds. Test lines to 5071 psi. Open well w/ 0 psi on casing. Broke @ 3600 psi back to 2149 psi. Spear head 6 bbls of 15% HCL (rec'd 1400 psi drop when hit perms). Treated @ ave pressure of 2487 @ ave rate of 21 bpm w/ 523 bbls of 17# Borate Xlink frac fluid in 1% KCL wtr. Treated w/ 35,717# of 20/40 white sand @ 5 ppa. Spot 12 bbls of 15% HCL for next stage. ISIP was 1979 w/ .77FG. 5 min was 1665. 10 min was 1587. 15 min was 1549. Leave pressure on well. 668 Bbls EWTR.
Start Time	End Time	Comment
16:00	17:30	RU WLT, crane & lubricator & test to 4000 psi. RIH w/ 3-1/8" disposable perf guns. Had missfre (bad cap) on plug. RIH w/ different plug and guns (16 gram, .34"EH, 180°, 21" pen) 2 spf. Set CFTP @ 5820'. Perferate CP2, CP1 CP.5 sds w/ tti of 20 shots.
Start Time	End Time	Comment
17:30	18:30	Stage #2; CP2, CP1, CP.5 sds. Open well w/ 1468 psi on casing. Broke @ 2316 psi back to 1687 psi. Treated @ ave pressure of 2215 @ ave rate of 35 bpm w/ 742 bbls of 17# Borate Xlink frac fluid in 1% KCL wtr. Treated w/ 92,107# of 20/40 white sand @ 6 ppa. Spot 12 bbls of 15% HCL for next stage. ISIP was 1576 w/ .71FG. 5 min was 1493. 10 min was 1467. 15 min was 1450. Leave pressure on well. 1410 Bbls EWTR.
Start Time	End Time	Comment
18:30	19:30	Pickle frac equipment w/ 80 bbls 10# brine. Hook up air heater on wellhead w/ tarp.
Start Time	End Time	Comment
19:30	00:00	Shut in for night.
Report Start Date	Report End Date	24hr Activity Summary
11/25/2014	11/26/2014	Continue to frac stage#3. Flow well back.
Start Time	End Time	Comment
00:00	06:30	Well was shut in for night.

NEWFIELD



Summary Rig Activity

Well Name: GMBU L-1-9-17

Start Time	06:30	End Time	08:30	Comment
				Held safety meeting. Open well w/ 1500 psi on casing. RU WLT, crane & lubricator. RIH w/ 3-1/8" disposable perf guns (16 gram, .34"EH, 180", 21" pen) 3 spf. Set CFTP @ 4430'. Perferate GB6 sds w/ ttl of 12 shots.
Start Time	08:30	End Time	09:30	Comment
				Stage #3; GB6 sds. Open well w/ 1494 psi on casing. Broke @ 2516 psi back to 2241 psi. Treated @ ave pressure of 2673 @ ave rate of 24 bpm w/ 312 bbls of 17# Borate Xlink frac fluid in 1% KCL wtr. Treated w/ 20,881# of 20/40 white sand @ 5 ppa. ISIP was 2034 w/ .90FG. 5 min was 1875. 10 min was 1816. 15 min was 1765. Leave pressure on well. 1722 Bbls EWTR.
Start Time	09:30	End Time	12:30	Comment
				Open to flow back @ 3 bpm on 15 choke w/ 1550 psi on casing. Well flowed for hours to 110 rec'd bbls.
Start Time	12:30	End Time	00:00	Comment
				Shut well in for night.
Report Start Date	Report End Date	24hr Activity Summary		
11/26/2014	11/27/2014	Set kill plug. RD BOP's. RU Drill out BOP's. Test BOP's.		
Start Time	00:00	End Time	08:00	Comment
				Well was shut in.
Start Time	08:00	End Time	09:00	Comment
				Held safety meeting. Open well w/ 125 on casing. RU hot oiler. Pump 20 bbls hot wtr down casing @ 1.5 BPM. ISIP was 1300.
Start Time	09:00	End Time	10:00	Comment
				RU Perforators WLT, crane & lubricator. RIH w/ solid frac plug (composite). hit oil bridge at 1750'. Set plug @ 4254'. Open well and done 30 min negative test. RD WLT.
Start Time	10:00	End Time	11:00	Comment
				RD FMC frac valve. Instal Knight double set BOP's w/ double side port valves.
Start Time	11:00	End Time	12:30	Comment
				Instal pup joint. RU B&C Quick tester. Test voids to 3000 psi for 5 min. Test BOP's & side port valves to 250 low for 5 min. 5000 high for 10 min.
Start Time	12:30	End Time	00:00	Comment
				Shut well in for weekend.
Report Start Date	Report End Date	24hr Activity Summary		
12/1/2014	12/2/2014	MIRUSU. Unload tbg. RIH w/ mill. Drig out plugs.		
Start Time	00:00	End Time	07:00	Comment
				Well was shut in for Holiday.
Start Time	07:00	End Time	09:00	Comment
				Held safety meeting. MIRUSU. Unload tbg onto racks. Tally and drift tbg.
Start Time	09:00	End Time	11:30	Comment
				PU new J-55, 6.5#, 8EUE tbg & TIH w/ 4-3/4" used concave mill & X/O sub.
Start Time	11:30	End Time	17:30	Comment
				RU Graco Power swivel, pump & tanks. Drig out Kill plug @ 4254' @ 3 bpm @ 100 rpm w/ 4K WOB. Drig threw plug in 17 min. Had 0 psi under plug. TIH w/ tbg to tag sand @ 4360' (70') of fill. TOOH w/ 10 stds. Circulate well clean. Gained 140 bbls water today.
Start Time	17:30	End Time	00:00	Comment
				Shut in for night.
Report Start Date	Report End Date	24hr Activity Summary		
12/2/2014	12/3/2014	Continue drig out plugs. C/O to PBTD. TIH w/ production.		
Start Time	00:00	End Time	07:00	Comment
				Well was shut in for night.
Start Time	07:00	End Time	09:00	Comment
				Held safety meeting. Open well w/ 800 psi on casing. Flow well back. Rec'd 165 bbls (10% oil cut w/ good gas). RIH w/ 10 std tbg to tag fill @ 4360'.

NEWFIELD



Summary Rig Activity

Well Name: GMBU L-1-9-17

Start Time	09:00	End Time	11:00	Comment
				RU swivel, pump and tanks. C/O sand to plug @ 5820'. Drig out plug in min 30 . TIH to tag fill @ 129'. C/O to PBTD @ 6137'.
Start Time	11:00	End Time	13:00	Comment
				Circulate well clean.
Start Time	13:00	End Time	15:00	Comment
				LD 4 jts extra tbq. TOOH w/ tbq.
Start Time	15:00	End Time	17:00	Comment
				RU Cavin Mud valve, 3 jts tbq, SN, 1 jt tbq, TA (NOV w/ 45K shear), 176 jts tbq. Tbg not staying full (fill tbq w/ 9 bbls going in hole). Well flowing up casing @ 1.5 bpm w/ good gas. EOT @ 6004'. Made 140 bbls today.
Start Time	17:00	End Time	00:00	Comment
				Shut well in for night.
Report Start Date	Report End Date	24hr Activity Summary		
12/3/2014	12/4/2014	TOOH and change out Cavin mud valve. RD BOP's. Set TA. RIH w/ pump and rods.		
Start Time	00:00	End Time	07:00	Comment
				Well was shut in for night.
Start Time	07:00	End Time	09:30	Comment
				Held safety meeting. Open well w/ 800 psi on casing. Flow well back (made 70 bbls fluid 10% oil cut).
Start Time	09:30	End Time	10:30	Comment
				Pump 130 bbls 10# brine (circulate down tbq w/ 250 psi @ 3-1/4 bpm.
Start Time	10:30	End Time	12:00	Comment
				TOOH w/ 24 stds tbq. Pump 30 bbls brine. TOOH w/ tbq. Change out TA & add NC.
Start Time	12:00	End Time	13:30	Comment
				TIH w/ NC, 3 jts tbq, SN, 1 jt tbq, TA NOV w/ 45K shear, 177 jts tbq.
Start Time	13:30	End Time	15:00	Comment
				Circulate 140 bbls 1% KCL. RD BOP's Set TA @ 5867' w/ 18,000#'s tension w/ EOT @ 6003'.
Start Time	15:00	End Time	17:30	Comment
				Pick-up prime 2-1/2" x 1-3/4" x 20' x 21' x 22' RHAC Weatherford pump w/ double valve traveling and double valve standin w/ Cal/API balls and seat w/ .008 plunger w/ sand diverter. 29- 7/8" 8per rds, 1- 7/8" 4per rd, 77- 3/4" 4per, 20- 3/4" 8per, 27- 3/4" 4per. PU Polish rod. SIFN.
Start Time	17:30	End Time	00:00	Comment
				Shut in for night.
Report Start Date	Report End Date	24hr Activity Summary		
12/4/2014	12/5/2014	Continue RIH w/ rods. POP. RDMOSU.		
Start Time	00:00	End Time	07:00	Comment
				Well shut in for night.
Start Time	07:00	End Time	09:00	Comment
				Held safety meeting. Open well w/ 700 psi on casing. Bleed pressure off. Gained 35 bbls oil.
Start Time	09:00	End Time	10:00	Comment
				Continue PU and RIH w/ rods. Space pump out. Hang head. Test tbq & pump to 800 psi w/ unit.
Start Time	10:00	End Time	12:00	Comment
				RDMOSU.
Start Time	12:00	End Time	00:00	Comment
				Well shut in.